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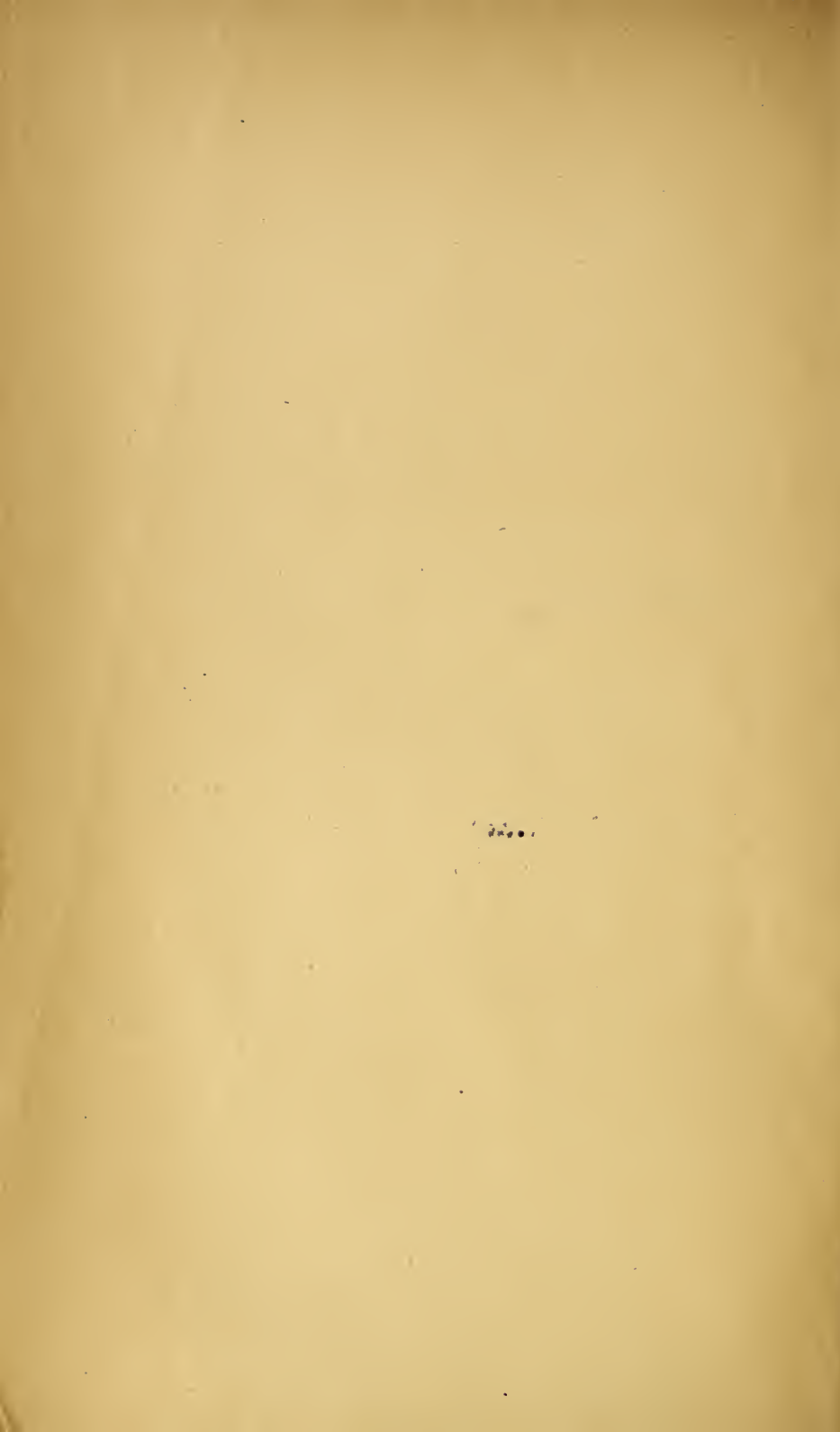
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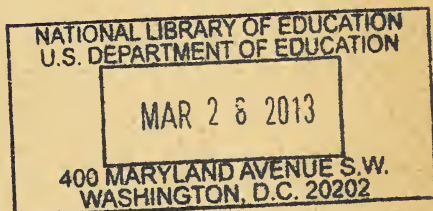


# REPORT

OF THE

# COMMISSIONER OF EDUCATION

FOR



THE YEAR 1888-89.

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VOLUME II.

CONTAINING

PART III.—Chapters XXII to XXXV—Detailed Statistics of Educational  
Systems and Institutions, with Comments and Discussions.

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# THE UNITED STATES BUREAU OF EDUCATION.

*Created as a Department March 2, 1867.  
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# PART III.

## CHAPTER XXII.

### STATISTICS OF STATE COMMON SCHOOL SYSTEMS.

#### PRELIMINARY REMARKS.

It was not possible at the time of closing the following tables to present in full the statistics of common schools in the United States for the school year 1888-89. The figures which follow are compiled from the most recent information received, about three-fourths of the States and Territories being represented by reports for the year 1888-89. The corrected totals will be given in a future report.

The population heretofore has been given for that June which fell near the beginning of the school year reported; in this report it is given for the June of that calendar year in which the school year reported closed; *i. e.*, if the school year reported is 1888-89, the population is computed for June, 1889. This method is preferable on several grounds, one obvious advantage being that the official census figures of 1890 will now be used in connection with the school statistics of 1889-90, instead of waiting for those of 1890-91. On account of this change, however, the enrollment, expenditure, etc., per capita of population and of school population, as given in this report, *is not comparable with the same data as given in previous reports.* The corrected statistics of previous years are given in the present report, pages 9-31.

The United States census of 1890, in connection with that of 1880, has been used as a basis for computing the population given in the following table (column 3). It therefore very closely approximates the actual population at the epoch given (mainly 1889); the percentages based upon it are probably accurate as far as carried out.

TABLE 1.—*Estimated population and population per square mile; number of pupils enrolled; same compared with the enrollment of the previous year and with the population; all mainly for 1888-89 (the population being given for the close of the school year).*

State or Territory.	School year ended—	Estimated total population.		Enrollment.			
		Number.	Average number to a square mile.	Whole number of pupils enrolled in the common schools.	Increase or decrease.	Percent- age of increase or de- crease.	Percent- age of popula- tion enrolled.
1	2	3	4	5	6	7	8
United States a.....		60,971,114	21.0	12,291,259	I.....220,903	<i>Per cent.</i> I... 1.83	<i>Per cent.</i> 20.2
North Atlantic Divi- sion .....		17,007,400	104.9	3,026,460	I..... 13,274	I... .44	17.8
South Atlantic Divi- sion .....		8,649,600	32.2	1,711,082	I..... 3,607	I... .21	19.8
South Central Division .....		10,626,500	19.7	2,139,617	I..... 87,509	I... 4.26	23.1
North Central Division .....		21,994,814	29.1	4,938,474	I..... 80,486	I... 1.66	22.6
Western Division.....		2,782,800	2.4	475,626	I..... 36,027	I... 8.19	17.1

a Excluding Alaska.

TABLE 1.—*Estimated population and population per square mile, etc.—Continued.*

State or Territory.	School year ended—	Estimated total population.		Enrollment.			
		Number.	Average number to a square mile.	Whole number of pupils enrolled in the common schools.	Increase or decrease.	Percentage of increase or decrease.	Percentage of population enrolled.
1	2	3	4	5	6	7	8
<b>North Atlantic Division:</b>							
Maine.....	Mar. 31	659,100	22.0	143,113	D..... 1,067	<i>Per cent.</i> D... .74	21.7
New Hampshire...	Mar. 31	372,900	41.4	69,124	D..... 1,702	D... 2.75	16.1
Vermont <i>b</i> .....	Mar. 31	332,200	86.4	68,453	D..... 2,949	D... 4.13	20.6
Massachusetts.....	Mar. 31	2,172,000	270.1	363,166	I.... 5,166	I... 1.44	16.7
Rhode Island.....	Apr. 30	336,700	316.3	51,895	D..... 827	D... 1.57	15.4
Connecticut.....	July 14	732,500	151.2	127,089	I..... 1,034	I... .82	17.3
New York.....	July 25	5,885,000	123.6	1,033,813	I..... 544	I... .05	17.6
New Jersey <i>b</i> .....	Aug. 31	1,374,000	184.3	224,398	I..... 291	I... .13	16.3
Pennsylvania.....	June 3	5,143,000	114.3	954,409	I..... 12,784	I... 1.36	18.6
<b>South Atlantic Division:</b>							
Delaware <i>b</i> .....	Mar. 31	163,400	83.4	32,552	D..... c625	D... c1.88	19.9
Maryland.....	June 30	1,029,000	104.4	179,460	I..... 2,873	I... 1.63	17.4
District of Columbia.....	June 30	223,900	3,731.6	35,764	I..... 914	I... 2.62	16.0
Virginia.....	July 31	1,635,000	40.7	336,948	I..... 6,668	I... 2.02	20.6
West Virginia.....	June 30	744,900	30.2	187,528	D..... 1,723	D... .91	25.2
North Carolina <i>b</i> .....	June 30	1,571,000	32.3	337,382	I..... 12,103	I... 3.72	21.5
South Carolina.....	Aug. 31	1,131,000	37.5	194,264	I..... 830	I... .43	17.2
Georgia <i>d</i> .....	Dec. 31	1,772,000	30.0	321,176	D..... 21,118	D... 6.17	18.1
Florida.....	Sept. 30	379,400	7.0	86,008	I..... 3,685	I... 4.48	22.7
<b>South Central Division:</b>							
Kentucky.....	June 30	1,834,000	45.8	e330,986	I..... 151	I... .05	18.0
Tennessee <i>b</i> .....	June 30	1,717,000	41.1	f436,524	I..... 26,117	I... 6.36	25.4
Alabama.....	Sept. 30	1,481,500	28.7	270,204	I..... 2,915	I... 1.09	18.2
Mississippi.....	Sept. 30	1,269,000	27.4	319,711	I..... 9,592	I... 3.09	25.2
Louisiana <i>d</i> .....	Dec. 31	1,079,000	23.8	125,573	I..... 13,745	I... 12.29	11.6
Texas <i>b</i> .....	Aug. 31	2,158,000	8.2	c440,467	I..... 21,591	I... 5.15	21.1
Arkansas.....	June 30	1,083,000	20.5	216,152	I..... 13,398	I... 6.61	19.9
<b>North Central Division:</b>							
Ohio.....	Aug. 31	3,617,000	88.7	777,162	D..... 54	D... .007	21.5
Indiana.....	Nov. 15	2,167,000	60.3	523,147	I..... 8,684	I... 1.69	24.1
Illinois.....	June 30	3,737,000	66.7	763,411	I..... 12,062	I... 1.61	20.4
Michigan.....	Sept. 2	2,048,500	35.7	423,604	D..... 1,614	D... .38	20.7
Wisconsin.....	June 30	1,659,000	30.5	344,942	I..... 10,651	I... 3.19	20.8
Minnesota.....	July 31	1,261,000	15.9	273,814	I..... 15,087	I... 5.83	21.7
Iowa.....	Sept. 16	1,875,000	33.8	489,229	I..... 12,045	I... 2.52	26.1
Missouri.....	June 30	2,621,000	38.1	611,511	I..... 991	I... .16	23.3
Dakota <i>b</i> .....	June 30	470,100	3.2	93,826	I..... 4,076	I... 4.54	20.0
Nebraska.....	July 8	984,300	12.9	232,314	I..... 16,455	I... 7.62	23.6
Kansas.....	June 30	1,464,914	17.9	405,454	I..... 2,103	I... .52	27.7
<b>Western Division:</b>							
Montana <i>b</i> .....	Dec. 31	103,400	.7	13,828	I..... c728	I... c5.56	13.4
Wyoming <i>g</i> .....	Oct. —	43,900	.4	5,622	I..... 634	I... 12.71	12.8
Colorado.....	June 30	370,300	3.6	59,313	I..... 8,568	I... 16.88	16.0
New Mexico <i>d</i> .....	Dec. 31	140,500	1.1	c16,484	I..... 2,371	I... 16.80	11.7
Arizona <i>b</i> .....	June 30	55,200	.5	6,617	I..... 683	I... 11.51	12.0
Utah.....	June 30	199,200	2.4	34,221	I..... 49	I... .14	17.2
Nevada <i>b</i> .....	Aug. 31	47,400	.4	7,511	D..... 133	D... 1.74	15.9
Idaho.....	Aug. 31	76,600	.9	12,678	I..... 2,245	I... 21.52	16.5
Washington.....	June 30	283,500	4.3	46,751	I..... c7,969	I... 24.77	16.3
Oregon.....	Mar. —	291,800	3.1	56,693	I..... 4,058	I... 7.71	19.2
California.....	June 30	1,165,000	7.5	215,905	I..... 8,855	I... 4.28	18.5
Alaska.....	May 31	j40,000	.1	1,040	.....	.....	2.6

a Number who have attended school two weeks or more.

b In 1837-88.

c Approximately.

d In 1888.

e Highest number in attendance; no report from Bell County.

f A few counties not reporting are estimated.

g In 1880-87.

h Average annual rate of increase since 1880.

i Average annual rate of increase since 1887.

j General agent's estimate.

*Enrollment.*—The latest returns of enrollment of pupils in the common schools foot up to 12,291,259, being an increase of 220,903 *over the corresponding returns of one year previous*. The increase in enrollment has been at the annual rate of 1.83 per cent. as against an increase of 2 per cent. per annum reported a year ago and as against an annual increase of 2.17 per cent. in the school population the present year.

The progressive decrease of public-school enrollment since 1870 in the Northern States has already been demonstrated in tables published by this office. It now appears that the movement is still going on. During the current year the school population in the North Atlantic Division increased 1.90 per cent., the enrollment only 0.44 per cent.; in the North Central Division the school population increased 1.73 per cent., the enrollment only 1.66 per cent. In every North Atlantic State in which a school census was taken the school population was found to have increased at a much greater rate than the school enrollment.

In four of the North Atlantic States and in two of the North Central States there has been an absolute decrease in the enrollment. The increase of enrollment in New York has only been 544, against an increase of school population of over 30,000.

The presentation of these facts affords still further confirmation of the relative decline of public-school attendance in the North, in addition to what has been already published.

In the South Atlantic States the increase of school population the past year was at the rate of 2.05 per cent., of enrollment at the rate of 0.21 per cent. per annum. Here the same decline is observable as at the North. Exceptional agencies were at work, however, to bring about the greater part of this decline in Georgia, and it is believed that it will be only temporary. A provision of the so-called Denny law, which was in operation in Georgia in 1888, required an additional enrollment of at least twenty-five pupils in order to establish a school after one had been provided for each race in each district; this had the effect to diminish the number of schools in the country districts; and on account of the unfavorable crops many farmers' children were obliged to work in the fields, which further tended to reduce the enrollment. The provision of the law of Georgia referred to has since been repealed.

The South Central Division shows an increase of enrollment of 4.26 per cent., which is much greater than the rate of increase of the school population, the latter being only 2.42 per cent.

As has been stated, the proportion of population enrolled, as given in column 8, is not comparable with the same quantities in previous reports. For the percentage of population enrolled in previous years, since 1870, see Chapter I.



TABLE 2.—Age for free attendance at the public schools; school census, mainly for 1889 compared with the preceding year.

State or Territory.	Age for free attendance.	School census.				
		Between what ages enumerated.	Number enumerated.		Increase or decrease.	Per cent- age of in- crease or de- crease.
1	2	3	4	5	6	7
						<i>Per cent.</i>
United States.....						I.....a2.17
North Atlantic Division.....						I.....a1.90
South Atlantic Division.....						I.....a2.05
South Central Division.....						I.....a2.42
North Central Division.....						I.....a1.73
Western Division.....						I.....a7.55
North Atlantic Division:						
Maine.....	4-21	4-21	211,980	212,064	I.....84	I......04
New Hampshire.....	5-21	5-21	(b)	(b)		
Vermont.....	5-20		(c)	(c)		
Massachusetts.....	No limit.	5-15	d359,504	e367,755	I.....8,281	I.....2.30
Rhode Island.....	5 upwards.	f 5-15	64,895	64,905	I.....510	I......79
Connecticut.....	4-16	4-16	154,932	157,243	I.....2,311	I.....1.49
New York.....	5-21	5-21	1,772,958	1,803,687	I.....30,709	I.....1.73
New Jersey.....	5-18	5-18	d374,011	e387,847	I.....13,836	I.....3.70
Pennsylvania.....	6-21		(c)	(c)		
South Atlantic Division:						
Delaware.....	6-21	6-21	gh42,680	i43,538	I.....h858	I.....h2.01
Maryland.....	6-21		(c)	(c)		
District of Columbia.....	f 6-17	f 6-17	51,500	h52,590	I.....h1,090	I.....j2.12
Virginia.....	5-21	5-21	hk598,962	g610,271	I.....h11,309	I.....i1.89
West Virginia.....	6-21	6-21	256,360	258,934	I.....2,574	I.....1.00
North Carolina.....	6-21	6-21	d566,270	e580,819	I.....14,549	I.....2.57
South Carolina.....	6-18		(c)	(c)		
Georgia.....	6-18	6-18	560,281	h569,375	I.....h9,094	I.....i1.62
Florida.....	6-21	6-21	113,647	h119,090	I.....h5,443	I.....h4.78
South Central Division:						
Kentucky.....	6-20	6-20	d656,897	e664,967	I.....8,070	I.....1.23
Tennessee.....	6-21	6-21	d640,014	e652,508	I.....12,494	I.....1.95
Alabama.....	7-21	7-21	h503,770	522,691	I.....h18,921	I.....m3.76
Mississippi.....	5-21	5-21		d463,964		
Louisiana.....	6-18	6-18	d335,603	e336,137	I.....534	I......16
Texas.....	8-16	8-16	523,110	545,616	I.....17,506	I.....3.32
Arkansas.....	6-21	6-21	388,129	404,379	I.....16,250	I.....4.19
North Central Division:						
Ohio.....	6-21	6-21	1,097,242	1,120,537	I.....23,295	I.....2.12
Indiana.....	6-21	6-21	756,989	770,875	I.....13,886	I.....1.83
Illinois.....	6-21	6-21	1,118,472	1,133,867	I.....15,395	I.....1.38
Michigan.....	5-20	5-20	623,923	640,069	I.....10,146	I.....1.61
Wisconsin.....	4-20	4-20	567,702	576,967	I.....9,265	I.....1.63
Minnesota.....	5-21		(c)	(c)		
Iowa.....	5-21	5-21	639,248	649,606	I.....10,358	I.....1.62
Missouri.....	6-20	6-20	852,430	865,304	I.....12,934	I.....1.52
Dakota.....	7-20	7-20	d108,240	e116,129	I.....7,889	I.....7.29
Nebraska.....	5-21	5-21	298,006	316,805	I.....18,799	I.....6.31
Kansas.....	5-21	5-21	532,010	524,206	D.....7,804	D.....1.47
Western Division:						
Montana.....	4-21	4-21	d23,165	e27,600	I.....4,435	I.....19.14
Wyoming.....	6-21		(c)	(c)		
Colorado.....	6-21	6-21	76,212	85,824	I.....9,612	I.....12.61
New Mexico.....	5-20	5-20	(b)	(b)		
Arizona.....	6-18	6-18	h10,261	d10,303	I.....h42	I.....h.41
Utah.....	6-18	6-18	54,953	58,482	I.....3,529	I.....6.42
Nevada.....	6-18	6-18	9,716	9,789	I.....73	I......75
Idaho.....	5-21	5-21	d19,994	e24,071	I.....4,077	I.....20.40
Washington.....	5-21	5-21	h57,971	70,846	I.....h12,875	I.....m27.14
Oregon.....	4-20	4-20	86,574	93,098	I.....6,524	I.....7.53
California.....	6-21	5-17	270,500	275,302	I.....4,802	I.....1.77
Alaska.....			(c)	(c)		

a Only the States tabulated in the same column below are included in this summary.

b School census imperfect.

c No school census.

d In 1887.

e In 1888.

f Inclusive.

g In 1885.

h Approximately.

i In 1886.

j Average annual rate of increase from 1880 to 1888.

k In 1884.

l Average annual rate of increase for five years.

m Average annual rate of increase from 1887 to 1889.



TABLE 3.—Average daily attendance in common schools, mainly for 1883-89, compared with same for the preceding year, with the enrollment and with the teaching force.

State or Territory.	Average daily attendance.		Increase or decrease.	Percentage of increase or decrease.	Average number of pupils daily attending for each 100 enrolled.	Average number of pupils to a teacher.
	1887-88.	1888-89.				
1	2	3	4	5	6	7
United States <i>a</i> .....	7,904,207	8,004,275	I...100,068	<i>Per cent.</i> I.....1.27	65.1	626.0
North Atlantic Division.....	2,006,748	2,035,251	I... 28,503	I.....1.42	67.2	629.4
South Atlantic Division.....	1,072,985	1,090,188	I... 17,203	I.....1.60	63.7	.....
South Central Division.....	1,404,219	1,468,794	I... 64,575	I.....4.60	68.6	628.1
North Central Division.....	3,140,011	3,099,845	D... 40,166	D.....1.28	62.8	623.1
Western Division.....	280,244	310,197	I... 29,953	I.....10.63	65.2	627.8
North Atlantic Division:						
Maine.....	100,121	98,641	D... 1,480	D.....1.47	69.0	.....
New Hampshire.....	44,877	43,484	D... 1,393	D.....3.10	72.3	.....
Vermont.....	645,705	646,061	I... 356	I......78	667.3	.....
Massachusetts.....	264,723	270,851	I... 6,128	I.....2.32	74.6	30.9
Rhode Island.....	33,583	33,803	I... 220	I......66	65.1	29.9
Connecticut.....	81,098	82,382	I... 1,284	I.....1.58	64.8	28.6
New York.....	630,595	637,487	I... 6,892	I.....1.09	61.7	27.2
New Jersey.....	6131,867	6135,187	I... 3,320	I.....2.52	660.3	.....
Pennsylvania.....	674,179	687,355	I...13,176	I.....1.95	72.0	31.4
South Atlantic Division:						
Delaware.....	621,565	621,271	D... 294	D...-1.36	665.3	.....
Maryland.....	94,976	99,220	I... 4,244	I.....4.47	55.3	.....
District of Columbia.....	26,512	27,619	I... 1,107	I.....4.18	77.2	.....
Virginia.....	189,416	195,525	I... 6,109	I.....3.22	58.0	.....
West Virginia.....	122,020	119,990	D... 2,030	D...-1.66	64.0	.....
North Carolina.....	6196,119	6208,657	I...12,538	I.....6.39	661.8	.....
South Carolina.....	139,557	136,358	D... 3,199	D...-2.29	70.2	.....
Georgia.....	6226,290	6217,896	D... 8,394	D...-3.71	667.9	.....
Florida.....	56,530	63,652	I... 7,122	I.....12.60	74.0	.....
South Central Division:						
Kentucky <i>b</i> .....	221,049	222,554	I... 1,505	I......68	67.2	.....
Tennessee <i>i</i> .....	6292,029	6308,969	I...16,940	I.....5.80	670.8	.....
Alabama.....	170,896	172,101	I... 1,205	I......71	63.7	.....
Mississippi.....	184,018	193,119	I... 9,101	I.....4.95	60.4	28.1
Louisiana.....	680,107	690,551	I...10,444	I...13.04	672.1	.....
Texas <i>c</i> .....	6323,320	6340,000	I...16,680	I.....5.15	677.2	.....
Arkansas <i>e</i> .....	132,800	141,500	I... 8,700	I.....6.55	65.5	.....
North Central Division:						
Ohio.....	529,719	530,492	I... 773	I......15	68.3	27.6
Indiana.....	408,775	350,752	D...-58,023	D...-14.19	67.0	.....
Illinois.....	518,043	500,736	D...17,307	D...-3.34	65.6	.....
Michigan <i>e</i> .....	280,930	279,900	D... 1,030	D...-.98	66.1	26.3
Wisconsin.....	6181,100	186,891	I...-5,791	I...-63.19	54.2	21.7
Minnesota.....	126,468	111,641	D...-14,827	D...-11.72	40.8	.....
Iowa.....	291,070	304,856	I...13,876	I... 4.74	62.3	19.5
Missouri.....	377,502	376,977	D... 525	D...-.14	61.6	.....
Dakota.....	6650,900	653,211	I...-22,311	I...-4.54	656.7	612.0
Nebraska.....	129,623	159,692	I...30,069	I...23.19	68.7	22.8
Kansas.....	245,881	244,697	D... 1,184	D...-.48	60.4	23.1
Western Division:						
Montana <i>e</i> .....	68,200	68,600	I... 400	I.....4.88	662.2	.....
Wyoming <i>e</i> .....	63,300	63,750	I... 450	I......72	666.7	.....
Colorado.....	31,516	35,567	I... 4,051	I...12.86	60.0	.....
New Mexico <i>e</i> .....	610,370	612,300	I... 1,930	I...18.60	674.6	.....
Arizona.....	663,452	63,849	I...-5,977	I...-11.51	658.2	.....
Utah.....	18,375	619,750	I...-1,375	I...-67.49	57.7	.....
Nevada.....	65,316	65,149	D... 167	D...-.34	668.5	.....
Idaho <i>e</i> .....	6,780	8,240	I... 1,460	I...21.54	65.0	.....
Washington.....	625,235	29,247	I...-64,012	I...-18.34	62.6	.....
Oregon.....	35,473	40,012	I... 4,539	I...12.80	70.6	.....
California.....	132,227	143,733	I...11,506	I... 8.70	66.6	27.8
Alaska <i>e</i> .....		400			38.5	.....

*a* Excluding Alaska.*b* This summary embraces only the States tabulated in the same column below.*c* In 1886-87.*d* In 1887-88.*e* Approximately.*f* In 1887.*g* In 1888.*h* Bell County not reporting.*i* A few counties not reporting are estimated.*j* In 1885-86.*k* Average annual rate of increase since 1880.*l* Average annual rate of increase since 1887.

*Average daily attendance.*—The average number of pupils attending the common schools, according to the returns made to the Bureau, was 8,004,275, there being a total gain of 100,068 over the corresponding reports of a year previous, or at the annual rate of 1.27 per cent. This rate of increase was less than that of the enrollment, 1.83 per cent., which indicates a decreased regularity of attendance.

In fact, the average number of pupils attending for each 100 enrolled was reported last year as 65.7; this year, 65.1.

The number of States showing a decrease of average attendance is remarkable. Six States of the North Central Division—Indiana, Illinois, Michigan, Minnesota, Missouri, and Kansas—report a decrease in average attendance simultaneously with an increase of enrollment. In the States of that division there was a net decrease in average attendance of 40,166; and the average number attending for each 100 enrolled fell from 65 to 62.8; the enrollment itself increased 80,486.

This condition of affairs, especially in Indiana, is anomalous and naturally suggests imperfections in the statistics as reported, especially as all the remaining divisions show an increased ratio of average attendance over the preceding year. Yet the circumstance that so many of the North Central States are affected and participate in this abnormal decline, points to some agency tending to diminish school attendance in that section of the Union not yet brought to the notice of the Bureau.

TABLE 4.—*Total attendance in days upon common schools, mainly for 1888-89, compared with the enrollment; average length of public-school year in days, mainly for 1888-89, compared with same for preceding year.*

State or Territory.	Aggregate number of days' attendance. <sup>a</sup>	Average number of days' attendance of each pupil enrolled.	Average number of days the public schools were kept.	Increase or decrease since preceding year.
1	2	3	4	5
United States <sup>b</sup> .....	1, 076, 613, 716	Days. 87.6	Days. 131.5	Days. I.....c.9
North Atlantic Division.....	334,352,532	110.5	164.2	D.... .2
South Atlantic Division.....	109,378,042	63.9	100.3	I.... c.6
South Central Division.....	133,107,785	62.2	90.6	I.... c.6
North Central Division.....	456,659,757	92.5	147.3	I.... 1.2
Western Division.....	43,115,600	90.7	139.0	I.... c.7.6
North Atlantic Division:				
Maine.....	10,998,471	76.9	111.5	D.... .5
New Hampshire.....	5,111,490	85.0	113.9	D.... .6
Vermont <sup>d</sup> .....	6,310,409	92.2	137	D.... 2
Massachusetts.....	46,315,521	127.5	171	I.... 2
Rhode Island.....	6,525,740	125.7	189	D.... 2
Connecticut.....	14,855,122	116.9	180.32	I.... 1.24
New York.....	115,314,096	111.6	178	D.... 2
New Jersey <sup>d</sup> .....	25,955,904	115.7	192	I.... 2
Pennsylvania.....	102,965,779	107.9	149.8	I.... .2
South Atlantic Division:				
Delaware <sup>d</sup> .....	3,470,657	106.6	161	I....e1.5
Maryland.....	18,454,920	102.8	186	I.... 2
District of Columbia.....	4,886,012	139.4	181	D.... 2
Virginia.....	23,267,475	69.1	119	D.... 0
West Virginia.....	12,238,980	65.3	d102	D.... 5
North Carolina <sup>d</sup> .....	13,228,854	39.2	63.4	I.... 3.4
South Carolina.....	9,272,344	47.7	68	D.... 4
Georgia <sup>f</sup> .....	14,911,000	46.4	c68.4	I....
Florida.....	9,547,800	111.0	150	I.... 10.7
South Central Division:				
Kentucky.....	20,920,076	63.2	74	0
Tennessee <sup>d</sup> .....	24,408,551	55.9	99	I.... 2
Alabama.....	13,036,651	48.3	75.75	D.... 3.75
Mississippi.....	17,628,764	55.2	991	I.... 7
Louisiana <sup>f</sup> .....	8,421,243	67.1	93	I.... 3.6
Texas.....	d38,080,000	d86.3	112	D.... 4.2
Arkansas <sup>h</sup> .....	10,612,500	49.1	75	I....

<sup>a</sup> When not reported the aggregate attendance in days has been obtained by multiplying the average daily attendance by the average number of days the schools were kept.

<sup>b</sup> Excluding Alaska.

<sup>c</sup> This summary does not include the States not tabulated in the same column below.

<sup>d</sup> In 1887-88.

<sup>e</sup> Estimated.

<sup>f</sup> In 1888.

<sup>g</sup> Country schools only.

<sup>h</sup> Approximately.



TABLE 4.—Total attendance in days upon common schools, etc.—Continued.

State or Territory.	Aggregate number of days' attendance. <i>a</i>	Average number of days' attendance of each pupil enrolled.	Average number of days the public schools were kept.	Increase or decrease since preceding year.
1	2	3	4	5
<b>North Central Division :</b>				
Ohio.....	87,531,180	112.6	165	I.... 6
Indiana.....	45,299,264	88.5	132	D... 1
Illinois.....	80,041,817	104.9	143	D... 5.3
Michigan.....	a42,544,800	100.4	152	0
Wisconsin.....	30,795,046	89.3	162.4	I.... 2.4
Minnesota.....	14,066,765	51.4	126	I.... 4
Iowa.....	46,947,824	96.0	154	0
Missouri.....	53,266,590	87.1	141.3	I....19.4
Dakota b.....	5,640,366	60.1	106	D... 3
Nebraska.....	18,204,888	78.4	114	D...23
Kansas.....	31,321,216	77.2	128	I.... 4
<b>Western Division :</b>				
Montana b.....	1,092,200	79.0	127	I....12
Wyoming.....	e446,250		d119	
Colorado.....	6,046,390	101.9	170	
New Mexico <i>e f</i> .....	703,560	42.7	57.2	0
Arizona b.....	519,615	78.5	135	I....15
Utah.....	e2,666,250	77.9	135	I.... 9.75
Nevada b.....	875,330	116.5	170	I....24.6
Idaho.....	659,200	52.0	c80	
Washington.....	2,690,724	57.6	92	I....g1
Oregon.....	4,361,303	76.9	6109	I.... 9.8
California.....	23,054,773	106.7	160.4	I.... 8.2
Alaska.....	e72,000	e69.2	180	

*a* Approximately.*b* In 1887-88.*c* In 1888-87.*d* In 1880.*e* Estimated.*f* In 1888.*g* Average increase for two years.

*Aggregate number of days' attendance.*—This is a fundamental quantity of great value for statistical purposes, which needs to be more generally considered.

The data for directly obtaining it may be found on most school registers. It is only necessary to add up the number of pupils present each day to get the aggregate days' attendance for the year for any school.

The aggregate number of days' attendance of a school for a year divided by the number of days the school was kept during the year, gives immediately the average daily attendance of that school for the year.

Here are two radical quantities of prime importance determined for each school, (1) aggregate attendance in days, and (2) average daily attendance of pupils, which may be consolidated for any number of schools by simply adding up. The city and country schools may be kept distinct, as well as the white and colored schools. When they have been consolidated for a township, for instance, the average number of days the schools have been kept in the townships may be directly obtained by dividing one of these quantities by the other. So for a county or State, and in any classification desired.

*How the aggregate attendance was obtained.*—The aggregate number of days' attendance, as tabulated in column 2 of Table 5, has been obtained for each State, when not reported directly to the Bureau, by an inverse process, *i. e.*, by multiplying the average daily attendance by the average number of days the schools were kept; this process of evolving a simple quantity from composite ones is obviously the reverse of the natural order, but was the only method that could be pursued in order to obtain it.

The aggregate number of days' attendance upon the common schools of the United States, as obtained by this process of computation, is found to be 1,076,613,716, as given in column 2. This quantity is approximate, but may be considered sufficiently accurate for most purposes.

*How the length of the school term was summarized.*—The summaries of column 4, Table 5, being the average number of days the schools were kept in the United States and in each of its divisions, have been obtained by the rule given above, *i. e.*, the aggregate days' attendance of the division in question or of the United States has been divided by its average daily attendance.

This method, in effect, gives to each State or other aggregation a weight proportionate to its average number of pupils and not proportionate to its number of schools. The pupil is considered as the unit and not the school, as heretofore. Accordingly the large city schools with their long terms have their due influence in determining the average

school term; one of these schools may count as much as a score of country schools, as should be the case when it is so many times as large. The general effect has been to give the summaries of the average number of days the schools were kept in the present report larger values than previously. Such decidedly urban systems as those of Rhode Island, Connecticut, New Jersey, and the District of Columbia, especially, receive their due weight in making up the average.

There have been some considerable changes in the length of the school term of the individual States, in two cases exceeding twenty days, if correctly reported, and in four others between ten and twenty. The average change for the United States has been an increase of nine-tenths of a day.

TABLE 5.—*Private school enrollment, mainly for 1888-89, compared with the preceding year; also, total enrollment in all schools, public and private, compared with the preceding year, with the private school enrollment, and with the population 6 to 14.*

State or Territory.	Estimated private school enrollment.	Increase or decrease since preceding year.	Percentage of increase or decrease.	Total enrollment in all schools, public and private.	Increase or decrease since preceding year.	Percentage of increase or decrease.	Ratio of private school enrollment to total enrollment, public and private.
1	2	3	4	5	6	7	8
			<i>Per cent.</i>			<i>Per cent.</i>	<i>Per cent.</i>
United States.....	1,122,000	.....	I... a7.10	13,413,259	.....	I... a2.07	8.4
North Atlantic Division	b432,000	.....	I... a9.86	3,458,460	.....	I... a1.21	a12.5
South Atlantic Division	b98,000	.....	I... a56.82	1,809,082	.....	I... a4.73	a5.4
South Central Division	b103,000	.....	I... a1.15	2,242,617	.....	I... a1.15	a4.6
North Central Division	b453,000	.....	I... a4.08	5,391,474	.....	I... a8.01	a8.4
Western Division.....	b36,000	.....	I... a4.08	511,626	.....	I... a8.01	a7.1
North Atlantic Division:							
Maine.....							
New Hampshire...	7,514	D.... 138	D.... 1.30	67,633	D... 1,840	D. 2.65	11.1
Vermont.....	6,972	D.... 534	D.... 7.11	75,425	D... 3,483	D. 4.42	9.2
Massachusetts...	37,620	I.... 7,530	I.... 25.03	400,786	I.... 12,696	I... 3.27	9.4
Rhode Island.....	7,974	D.... 912	D.... 10.26	59,869	D... 1,739	D. 2.82	13.3
Connecticut.....	18,269	I.... 1,000	I.... 6.34	145,358	I... 2,124	I... 1.48	12.6
New York.....	151,336	I.... 9,096	I.... 6.39	1,185,149	I... 9,640	I... .82	12.8
New Jersey.....	46,475	I.... 3,645	I.... 22.85	270,873	I... 8,936	I... 3.41	17.2
Pennsylvania.....							
South Atlantic Division:							
Delaware.....	740	.....	.....	33,292	.....	.....	2.2
Maryland.....							
District of Columbia.....	3,119	.....	.....	37,969	.....	.....	8.2
Virginia.....							
West Virginia.....							
North Carolina.....							
South Carolina.....							
Georgia.....							
Florida.....							
South Central Division:							
Kentucky.....							
Tennessee.....							
Alabama.....							
Mississippi.....	15,243	I.... 5,524	I.... 56.82	334,954	I.... 15,116	I... 4.73	4.6
Louisiana.....							
Texas.....							
Arkansas.....							
North Central Division:							
Ohio.....							
Indiana.....							

a These summaries embrace only the States tabulated in the same columns below.

b Estimate for the whole division on the basis of the States reporting.

c In 1887-88.



TABLE 5.—*Private school enrollment, mainly for 1888-89, etc.*—Continued.

State or Territory.	Estimated private school enrollment.	Increase or decrease since preceding year.	Percentage of increase or decrease.	Total enrollment in all schools, public and private.	Increase or decrease since preceding year.	Percentage of increase or decrease.	Ratio of private school enrollment to total enrollment, public and private.
1	2	3	4	5	6	7	8
North Central Division—Continued.			<i>Per cent.</i>			<i>Per cent.</i>	<i>Per cent.</i>
Illinois.....	93,189	D....2,276	D.... 2.27	861,600	I.... 9,786	I... 1.15	11.4
Michigan.....	34,164	I....3,091	I.... 9.95	457,768	I.... 1,477	I... .32	7.5
Wisconsin.....	60,000			404,942			14.8
Minnesota.....							
Iowa.....							
Missouri.....	11,271			622,812			1.8
Dakota <sup>a</sup> .....	1,500	I.... 710	I....89.87	95,326	I.... 4,786	I... 5.29	1.6
Nebraska.....							
Kansas.....							
Western Division:							
Montana <sup>a</sup> .....	698	I.... 241	I....52.74	14,526	I... 969	I.. 7.15	4.8
Wyoming.....							
Colorado.....	757	D.... 90	D....10.62	60,070	I.... 8,478	I...16.44	1.3
New Mexico.....							
Arizona <sup>a</sup> .....	300			6,917			4.3
Utah.....							
Nevada.....							
Idaho.....							
Washington.....	2,509	I.... 6241	I... c10.63	49,260	I... 68,210	I c20.00	5.1
Oregon.....	5,131	I.... 513	I... 11.11	61,827	I.... 4,571	I... 7.98	8.3
California.....	21,046	I.... 278	I.... 1.34	236,951	I.... 9,133	I... 4.01	8.9
Alaska.....	500			1,510			32.5

<sup>a</sup> In 1887-88.<sup>b</sup> Estimated.<sup>c</sup> Average annual rate of increase since 1887.

*Private schools.*—Statistics of private schools continue of the same meager and unsatisfactory character as heretofore. The following results are deduced from the data reported to the Bureau:

Sixteen States and Territories show an increase of private-school enrollment of 7.10 per cent., the public-school enrollment of the same increased 1.44 per cent., the whole enrollment, public and private, increasing 2.07 per cent.

These results tend in the same direction as those of preceding years, and give additional confirmation to the statement heretofore made that the private schools are growing at a greater rate than the public.

Individual States, such as Vermont, Rhode Island, Illinois, Colorado, Washington, and California, show an opposite tendency the present year, the public enrollment in those States growing faster than the private.

The statistics of private schools are of such varying degrees of accuracy from year to year, however, that conclusions derived from isolated data are open to suspicion, especially if they indicate any retrogression in the Northern States, which should rather be attributed to incomplete returns.

Out of every 1,000 pupils in schools of all kinds, in 21 States and Territories, 97 were private-school pupils, a little less than 1 in 10. The report last year, embracing nearly the same States, was 94 per 1,000. The estimate for the whole of the United States is 84 per 1,000, as shown in Column 8,

TABLE 6.—Number of schoolhouses, mainly for 1888-89, compared with same for the preceding year, with the territorial area, with the total population, and with the population 6 to 14.

State or Territory.	Number of school-houses.		Increase or decrease.	Number built during the year.
	1887-88.	1888-89.		
1	2	3	4	5
United States <i>a</i> .....		216,330		
North Atlantic Division.....		46,326	I.....891	
South Atlantic Division.....		31,126		
South Central Division.....		34,541		
North Central Division.....		95,584		
Western Division.....		8,753		
North Atlantic Division:				
Maine.....	4,337	4,364	I.....27	75
New Hampshire.....	2,131	1,993	D.....138	43
Vermont <i>b</i> .....	c2,547	d2,547	I.....0	
Massachusetts <i>b</i> .....	6,918	7,023	I.....105	
Rhode Island.....	469	474	I.....5	10
Connecticut.....	1,660	1,645	D.....15	12
New York.....	11,965	11,965	I.....20	
New Jersey.....	c1,610	d1,615	I.....5	
Pennsylvania.....	13,798	14,680	I.....882	
South Atlantic Division:				
Delaware <i>d</i> .....		445		
Maryland <i>b</i> .....	2,159	2,200	I.....41	
District of Columbia.....	90	94	I.....4	
Virginia.....	6,205	6,341	I.....136	322
West Virginia.....	4,687	4,729	I.....42	206
North Carolina.....	c5,660	d5,543	D.....117	
South Carolina.....		2,962		103
Georgia <i>b</i> .....	e7,796	f6,563	D.....1,233	
Florida.....		b d2,249		
South Central Division:				
Kentucky.....	7,133	7,302	I.....169	406
Tennessee.....	c6,011	d6,130	I.....119	308
Alabama <i>b</i> .....	5,792	6,177	I.....385	
Mississippi.....	5,443	5,777	I.....334	g513
Louisiana <i>b</i> .....	e1,985	f2,109	I.....124	
Texas <i>h</i> .....		4,511		354
Arkansas <i>h</i> .....	2,452	2,535	I.....83	289
North Central Division:				
Ohio.....	12,715	12,712	D.....3	396
Indiana.....	9,882	9,928	I.....46	300
Illinois.....	12,203	12,221	I.....13	211
Michigan.....	7,428	7,493	I.....65	
Wisconsin.....	6,294	6,343	I.....49	243
Minnesota.....		5,652		292
Iowa.....	12,752	12,879	I.....127	127
Missouri <i>b</i> .....	9,819	9,687	D.....132	
Dakota.....	c3,864	d4,102	I.....238	d296
Nebraska.....	5,187	5,748	I.....561	487
Kansas.....	8,196	8,819	I.....623	620
Western Division:				
Montana.....	c266	d305	I.....39	39
Wyoming.....	i111	c124	I.....13	
Colorado.....	820	1,474	I.....654	600
New Mexico.....		j400		
Arizona <i>d</i> .....		151		
Utah <i>b</i> .....		382		
Nevada.....	c134	d138	I.....4	
Idaho.....	254	294	I.....40	
Washington.....		1,044		126
Oregon.....	1,384	1,444	I.....60	95
California.....		2,997		218
Alaska.....	k16			1

*a* Excluding Alaska.*b* Number of schools.*c* In 1886-87.*d* In 1887-88.*e* In 1887.*f* In 1888.*g* Including ten buildings in towns and cities, costing from \$10,000 to \$30,000 each.*h* Report not complete.*i* In 1885-86.*j* Estimated.*k* White 2, native 14.

TABLE 7.—Number of sittings in public schoolhouses, mainly for 1888-89, compared with same for preceding year, with the population 6 to 14, with the enrollment, with the average attendance, and with the number of schoolhouses.

State or Territory.	Number of sittings in public schoolhouses.	Increase or decrease since preceding year.	Average number of sittings to—		
			Each 100 pupils enrolled.	Each 100 of average attendance	Each school building.
1	2	3	4	5	6
United States a.....			112	182	61
North Atlantic Division a.....			104	162	70
South Atlantic Division a.....			98	162	58
South Central Division a.....					
North Central Division a.....			119	195	60
Western Division a.....			104	173	42
North Atlantic Division:					
Maine b.....	175,000		122	177	40
New Hampshire.....					
Vermont.....					
Massachusetts.....					
Rhode Island.....	51,749	I.... 487	100	153	109
Connecticut.....	130,867	I.... 1,687	103	159	80
New York.....					
New Jersey c.....	209,542	I.... 3,707	93	155	130
Pennsylvania.....					
South Atlantic Division:					
Delaware c.....	28,401		87	134	64
Maryland.....					
District of Columbia.....	31,764	I.... 1,114	89	115	338
Virginia.....	336,511		100	172	53
West Virginia.....					
North Carolina.....					
South Carolina.....					
Georgia.....					
Florida.....					
South Central Division:					
Kentucky.....					
Tennessee.....					
Alabama.....					
Mississippi.....					
Louisiana.....					
Texas.....					
Arkansas.....					
North Central Division:					
Ohio.....					
Indiana.....					
Illinois.....					
Michigan.....	543,707	I.... 7,759	128	194	73
Wisconsin.....	395,098	D... 17,107	115	211	62
Minnesota.....					
Iowa.....					
Missouri.....	672,284	I.... 23,022	110	178	
Dakota c.....	140,466	I.... 20,210	150	264	34
Nebraska.....					
Kansas.....					
Western Division:					
Montana.....					
Wyoming.....					
Colorado.....	61,464	I.... 8,797	104	173	42
New Mexico.....					
Arizona.....					
Utah.....					
Nevada.....					
Idaho.....					
Washington.....					
Oregon.....					
California.....					
Alaska.....					

a These summaries embrace only the States tabulated in the same columns below.

b Estimated.

c In 1887-88.



TABLE 8.—*Estimated real value of all public school property.*

State or Territory.	Estimated real value of all pub- lic school property.	Increase or decrease since preceding year.	Percentage of increase or decrease.	Value of school property, per capita of—		Value for each \$100 of assessed valuation.
				Total popula- tion.	Average attend- ance.	
1	2	3	4	5	6	7
United States <i>a</i> .....	\$323,573,532	I...\$23,965,822	I..... 8.00	\$5.31	\$40.42	\$1.36
North Atlantic Division <i>a</i> .....	125,387,728	I..... 5,637,723	I..... 4.73	7.37	61.62	1.24
South Atlantic Division <i>a</i> .....	14,203,800	I..... 1,763,800	I.....14.17	1.64	13.04	.72
South Central Division <i>a</i> .....	12,174,813	I..... 1,052,313	I..... 9.45	1.15	8.29	.53
North Central Division <i>a</i> .....	149,935,493	I.....11,670,288	I..... 8.44	6.84	48.36	1.97
Western Division <i>a</i> .....	21,866,693	I..... 3,841,693	I.....21.29	7.86	70.48	1.21
North Atlantic Division:			<i>Per cent.</i>			
Maine .....	3,481,835	I..... 153,092	I..... 4.60	5.23	35.30	.....
New Hampshire .....	2,390,606	I..... 79,269	I..... 3.45	6.93	54.75	.92
Vermont .....	.....	.....	.....	.....	.....	.....
Massachusetts .....	.....	.....	.....	.....	.....	.....
Rhode Island .....	2,744,408	I..... 206,813	I..... 8.15	8.15	81.18	.....
Connecticut .....	6,275,177	I..... 211,908	I..... 3.49	8.57	76.18	1.73
New York .....	39,354,358	I..... 1,936,003	I..... 5.17	6.69	61.74	1.10
New Jersey <i>b</i> .....	7,837,706	I..... 351,500	I..... 4.69	5.70	57.97	1.30
Pennsylvania .....	632,958,638	.....	.....	6.41	47.95	1.23
South Atlantic Division:						
Delaware <i>b</i> .....	716,232	D.... e 8,768	D.....e1.21	4.38	33.68	.....
Maryland .....	.....	.....	.....	.....	.....	.....
District of Columbia <i>b</i> .....	1,761,000	.....	.....	8.07	66.43	1.38
Virginia .....	2,208,115	I..... 90,512	I..... 4.28	1.45	11.29	.64
West Virginia .....	2,330,718	I..... 286,262	I.....14.00	3.13	19.42	61.25
North Carolina <i>b</i> .....	735,811	I..... 71,155	I.....10.71	.47	3.53	.36
South Carolina .....	d 373,351	.....	.....	.33	2.74	.26
Georgia .....	.....	.....	.....	.....	.....	.....
Florida .....	861,373	I..... 411,373	I.....91.42	2.27	13.53	.96
South Central Division:						
Kentucky .....	3,543,661	I..... 290,914	I..... 8.95	1.93	15.92	.71
Tennessee <i>b</i> .....	2,216,375	I..... 190,523	I..... 9.40	1.29	7.17	.75
Alabama .....	.....	.....	.....	.....	.....	.....
Mississippi .....	1,125,000	I..... 125,000	I.....12.50	.89	5.83	.72
Louisiana .....	.....	.....	.....	.....	.....	.....
Texas <i>c</i> .....	3,000,000	.....	.....	1.39	8.82	.41
Arkansas .....	839,777	I..... 60,710	I..... 7.80	.77	6.32	.54
North Central Division:						
Ohio .....	31,381,033	I..... 1,093,136	I..... 3.61	8.68	59.14	1.79
Indiana .....	15,000,000	I..... 248,185	I..... 1.63	6.92	42.77	1.80
Illinois .....	25,913,445	I..... 972,707	I..... 3.90	6.93	51.75	3.27
Michigan .....	13,386,637	I..... 529,534	I..... 4.12	6.53	47.83	1.30
Wisconsin .....	f 8,898,603	I..... 932,363	I.....11.70	5.36	47.61	1.53
Minnesota .....	10,389,825	I..... 1,922,999	I.....22.73	8.24	93.05	1.66
Iowa .....	12,900,495	I..... 566,198	I..... 4.59	6.88	42.32	2.47
Missouri .....	10,972,161	I..... 1,168,375	I.....11.92	4.19	29.11	1.46
Dakota <i>b</i> .....	3,298,871	I..... 173,745	I..... 5.56	7.02	61.99	2.00
Nebraska .....	8,000,000	I..... 2,876,820	I.....56.16	8.13	50.10	4.38
Kansas .....	9,794,423	I..... 1,186,226	I.....13.78	6.69	40.02	2.71
Western Division:						
Montana <i>b</i> .....	646,670	I..... 98,303	I..... 17.93	6.25	75.20	.96
Wyoming .....	.....	.....	.....	.....	.....	.....
Colorado .....	3,833,353	I..... 600,332	I.....18.55	10.36	107.92	1.99
New Mexico <i>g</i> .....	125,000	.....	.....	.89	10.16	.29
Arizona <i>b</i> .....	222,269	I..... 46,269	I.....26.29	4.03	57.74	.....
Utah .....	610,050	I..... 67,294	I.....12.40	3.06	30.88	1.17
Nevada <i>b</i> .....	246,631	I..... 2,073	I......85	5.20	47.91	.....
Idaho .....	344,500	I..... 65,000	I.....23.25	4.50	41.81	1.38
Washington .....	1,205,296	I..... e 374,296	I..... h 45.04	4.21	41.21	.96
Oregon .....	1,533,104	I..... 237,886	I.....18.37	5.20	38.31	.....
California .....	12,844,770	I..... 2,280,990	I.....21.59	11.02	89.35	1.16
Alaska .....	.....	.....	.....	.....	.....	.....

*a* These summaries embrace all the States and Territories except Alaska. Estimates are made of those not reported.

*b* In 1887-88.

*c* The value of school property in Pennsylvania has been overestimated heretofore.

*d* School buildings only.

*e* Estimated.

*f* Schoolhouses and sites only.

*g* In 1888.

*h* Average annual rate of increase since 1887.

TABLE 9.—Whole number of different teachers employed, classified by sex, mainly for 1888-89, and compared with the same for preceding year; number of teachers necessary to supply the schools; changes in the teaching force; proportion of teachers who are males.

State or Territory.	I							Ratio of male teachers to whole number of teachers.	
	Whole number of male teachers.	Increase or decrease since preceding year.	Whole number of female teachers.	Increase or decrease since preceding year.	Whole number of both sexes.	Increase or decrease since preceding year.	Number of teachers employed for every 100 necessary.		
	2	3	4	5	6	7	8	9	10
									Per cent.
United States <i>a</i> .....	124,929		227,302		352,231			b129	35.5
North Atlantic Division.....	18,324	D... 1,306	71,838	I... 1,981	90,162	I... 675		b122	20.3
South Atlantic Division.....	20,241	D... 76	18,462	D... 127	38,703	D... 203		b103	52.3
South Central Division.....	29,203	D... 109	19,512	D... 335	48,715	I... 29		b139	60.0
Western Division.....	53,127	D... 1,755	108,603	I... 4,635	161,730	I... 2,890		b139	32.8
	4,034		8,887		12,921			b101	31.2
North Atlantic Division:									
Maine.....	d1,351	D... 131	d6,247	I... 144	7,598	I... 13			d17.8
New Hampshire.....	312	D... 4	2,727	D... 29	3,039	D... 33			10.3
Vermont <i>c</i> .....	479	D... 76	3,517	D... 127	3,996	D... 203			12.0
Massachusetts.....	901	D... 109	9,222	I... 335	10,123	I... 226	8,753	116	8.9
Rhode Island.....	171	I... 1	1,136	I... 28	1,367	I... 29	1,130	121	12.5
Connecticut <i>c</i> .....	d574	D... 44	d3,440	I... 71	d4,014	I... 27	3,116	d129	d14.3
New York.....	5,519	D... 102	20,438	I... 363	31,987	I... 261	23,413	137	17.3
New Jersey <i>c</i> .....	796	D... 29	3,325	I... 148	4,121	I... 119			19.3
Pennsylvania.....	8,191	D... 812	15,726	I... 1,048	23,917	I... 236	21,889	109	31.2
South Atlantic Division:									
Delaware <i>c</i> .....	203	D... 12	454	I... 23	657	I... 11			30.9
Maryland.....	1,084	D... 51	2,644	I... 114	3,728	I... 60			29.1
District of Columbia.....	78	D... 2	602	I... 28	680	I... 26			11.5
Virginia.....	3,258	D... 113	4,165	I... 254	7,423	I... 141			43.9
West Virginia.....	3,444	I... 64	1,897	I... 39	5,341	I... 103			64.5
North Carolina <i>c</i> .....	4,450	D... 32	2,637	I... 79	7,107	I... 47			62.6
South Carolina.....	2,210	D... 729	2,040	I... 504	4,250	I... 47			52.0
Georgia <i>d e</i> .....	4,095	D... 729	2,829	D... 561	6,924	D... 1,233			59.1
Florida.....	1,419		1,174		2,593	I... 180			54.7
South Central Division:									
Kentucky.....	4,508	D... 66	4,383	I... 240	8,891	I... 174			f50.7
Tennessee <i>c</i> .....	5,146	I... 99	2,572	I... 134	7,718	I... 233			66.7
Alabama.....	3,791	I... 50	2,125	I... 105	5,916	I... 155			64.1

*d* Approximately.*e* In 1888.*f* In 1886-78.*a* Excluding Alaska.*b* This summary embraces only the States tabulated in the same column below.*c* In 1887-88.

TABLE 9.—Whole number of different teachers employed, classified by sex, mainly for 1888-89, etc.—Continued.

State or Territory.	2	3	4	5	6	7	8	9	10
	Whole number of male teachers.	Increase or decrease since preceding year.	Whole number of female teachers.	Increase or decrease since preceding year.	Whole number of both sexes.	Increase or decrease since preceding year.	Number necessary to supply the schools.	Number of teachers employed for every 100 necessary.	Ratio of male teachers to whole number of teachers.
<b>1</b>									
<b>South Central Division—Continued:</b>									
Mississippi.....	3,557	I..... 42	3,558	I..... 367	7,115	I..... 409	6,875	103	50.0
Louisiana <i>c</i> .....	1,169	D..... 29	1,347	I..... 136	2,516	I..... 107			46.5
Texas <i>b</i> .....	6,660		3,954		10,614				62.7
Arkansas.....	64,372	I..... 941	61,573	I..... 340	5,945	I..... 1,281			<i>d</i> 73.6
<b>North Central Division:</b>									
Ohio.....	10,699	D..... 830	14,187	I..... 868	24,886	I..... 38	19,215	130	42.9
Indiana.....	6,776	D..... 327	6,477	D..... 622	13,253	D..... 949			51.1
Illinois.....	6,532	D..... 47	10,763	I..... 65	21,296	I..... 18			30.7
Michigan.....	63,847	I..... 74	612,228	I..... 238	16,075	I..... 312	10,637	151	<i>d</i> 23.9
Wisconsin.....	2,376	D..... 74	9,572	I..... 611	11,948	I..... 537	8,604	139	19.9
Minnesota.....	61,374	I..... 90	63,341	I..... 270	7,915	I..... 360			<i>d</i> 24.9
Iowa.....	5,432	D..... 163	20,361	I..... 843	25,793	I..... 680	15,611	165	21.1
Missouri.....	6,195	D..... 923	7,439	I..... 880	13,634	D..... 43			45.4
Dakota <i>d</i> .....	1,779	I..... 55	3,465	I..... 181	5,244	I..... 236	4,426	130	31.0
Nebraska.....	2,446	I..... 70	6,667	I..... 858	9,113	I..... 928	7,000	130	26.8
Kansas.....	65,070	I..... 320	67,003	I..... 443	12,073	I..... 763	10,592	114	<i>d</i> 42.0
<b>Western Division:</b>									
Montana <i>d</i> .....	165	D..... 4	337	I..... 62	442	I..... 48			23.8
Wyoming <i>e</i> .....	57		174		231				21.7
Colorado.....	364	I..... 2	1,154	D..... 188	1,518	D..... 186			24.0
New Mexico <i>a c</i> .....	323		166		489				66.1
Arizona <i>d</i> .....	72	I..... 1	113	I..... 19	185	I..... 19			38.9
Utah.....	363	D..... 25	332	I..... 18	635	D..... 6			47.7
Nevada <i>d</i> .....	650		6188		238	I..... 11			21.1
Idaho.....	6159		6275		<i>f</i> 434				36.8
Washington.....	536		813		1,349				39.7
Oregon.....	914	I..... 70	1,231	D..... 22	2,145	I..... 54			42.6
California.....	1,151	I..... 65	4,104	I..... 252	5,255	I..... 317	5,179	101	21.9
Alaska.....	8	D..... 4	10	D..... 2	18	D..... 6	16		44.4

*a* In 1888.*b* Returns incomplete.*c* Approximately.*d* In 1887-88.*e* In 1886-87.*f* Number of schools.



TABLE 10.—Salaries of teachers, classified by sex, mainly for 1888-89, and compared with same for preceding year.

State or Territory.	Average monthly salaries.			
	Males.	Increase or decrease.	Females.	Increase or decrease.
1	2	3	4	5
United States <i>a b</i> .....	\$42.43	D....\$0.04	\$34.27	I.....\$0.32
North Atlantic Division <i>b</i> .....	48.20	D.... .10	32.46	I..... .49
South Atlantic Division <i>b</i> .....	28.11	I..... .85	27.07	I..... .17
South Central Division <i>a b</i> .....	40.59	I..... 1.45	33.45	I..... .15
North Central Division <i>b</i> .....	43.09	D.... .80	34.07	I..... .18
Western Division <i>b</i> .....	64.81	I..... 1.54	56.62	I..... 1.22
North Atlantic Division:				
Maine.....	35.22	I..... .86	17.24	I..... .32
New Hampshire.....	43.87	D.... .95	25.42	I..... .49
Vermont <i>c</i> .....	37.20	I..... 3.40	20.92	I..... .04
Massachusetts.....	108.88	D....10.46	45.93	I..... 1.05
Rhode Island.....	87.06	I..... 1.07	45.20	I..... .80
Connecticut.....	74.47	I..... .97	39.31	I..... .79
New York.....				
New Jersey <i>c</i> .....	67.24	I..... 3.17	42.35	I..... 1.01
Pennsylvania.....	39.00	I..... .46	30.31	I..... .15
South Atlantic Division:				
Delaware <i>c d</i> .....	40.40	I..... 1.60	32.59	I..... 1.30
Maryland.....				
District of Columbia <i>c</i> .....	103.19	D.... 6.57	61.79	I..... .67
Virginia.....	31.36	I..... .36	26.74	I..... .34
West Virginia.....				
North Carolina <i>c</i> .....	24.57	I..... 1.77	21.95	D.... .05
South Carolina.....	26.61	D.... .07	23.50	D.... .30
Georgia.....				
Florida.....				
South Central Division:				
Kentucky.....	34.72	I..... 1.68	35.59	I..... 1.44
Tennessee.....				
Alabama.....				
Mississippi.....	32.54	I..... 1.48	28.04	I..... .10
Louisiana <i>c</i> .....	31.50	I..... .30	29.00	I..... 0
Texas.....	47.57		37.52	
Arkansas.....	45.00	I..... 1.50	33.33	D.... 3.17
North Central Division:				
Ohio.....	41.00	0	34.00	0
Indiana.....	37.46	D.... 7.74	33.96	D.... 3.44
Illinois.....	53.30	I..... .37	43.48	I..... .39
Michigan.....	46.31	I..... .64	32.32	I..... .75
Wisconsin.....	48.00		31.00	
Minnesota.....	40.58	I..... .48	30.81	I..... .29
Iowa.....	37.52	I..... 1.08	30.37	I..... .32
Missouri.....				
Dakota <i>c</i> .....	36.25	I..... .09	32.84	I..... 1.46
Nebraska <i>c</i> .....	43.18	I..... <i>f</i> .25	35.54	I..... <i>f</i> .42
Kansas.....	41.85	I..... .84	34.70	I..... 1.06
Western Division:				
Montana <i>c</i> .....	69.00	D.... 6.00	56.00	0
Wyoming.....				
Colorado.....	95.21	I.....18.74	63.50	I..... 6.03
New Mexico.....				
Arizona <i>c</i> .....	85.94	D.... 1.66	78.91	D.... .69
Utah.....	51.59	D.... .77	29.79	D.... 1.78
Nevada <i>c</i> .....	98.41	I..... .16	67.65	I..... .74
Idaho.....				
Washington.....	47.66	I..... <i>g</i> 1.62	39.67	I..... <i>g</i> 1.65
Oregon.....	46.31	I..... .11	36.75	D.... .22
California.....	78.23	D.... 1.23	65.13	I..... .58
Alaska.....	120.00	0	87.00	D.... 3.00

*a* Excluding Alaska.*b* These summaries embrace only the States tabulated in the same column below.*c* In 1887-88.*d* Approximately.*e* In 1888.*f* Average annual increase since 1886.*g* Average annual increase since 1887.

TABLE 11.—Showing the amount of school revenues from different sources, mainly for 1888-89, and compared in part with the same for preceding year.

State or Territory.	From per- manent funds and rents.	From taxation.					Total from taxes.	From other sources.	Total reve- nue for the year, ex- cluding money bor- rowed.	Increase or decrease since pre- ceding year.	Balance from previous year.	From sale of bonds.
		From State taxes.	Increase or decrease since pre- ceding year.	From local taxes.	Increase or decrease since pre- ceding year.	Total from taxes.						
I	2	3	4	5	6	7	8	9	10	11	12	
United States a.....												
North Atlantic Division.....	\$9,825,127	\$25,177,067		\$88,228,355		\$113,505,452	\$8,794,431	\$132,125,010				
South Atlantic Division.....	918,883	7,897,187	I.....\$932,087	31,165,504	I.....1,81,777,733	42,062,690	1,383,833	44,365,407	I.....\$3,189,189			
South Atlantic Division.....	12,537	3,734,882	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
South Atlantic Division.....	126,937	3,734,882	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
South Atlantic Division.....	1,982,275	4,490,936	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
North Central Division.....	6,226,940	5,767,450	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
Western Division.....	570,092	3,286,612	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
North Atlantic Division:												
Maine.....	49,836	377,179	I.....12,559	685,679	I.....9,645	1,062,858	0	1,112,694	I.....45,468		56,916	
New Hampshire.....	12,537	509,612	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
Vermont.....	23,996	0	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
Massachusetts.....	272,010	0	I.....42,896	118,153	I.....9,885	627,766	72,123	712,431	I.....35,691			
Rhode Island.....	19,007	112,473	I.....5,392	761,670	I.....108,628	874,143	1,879	902,355	I.....406,074		76,608	
Connecticut.....	160,591	235,864	I.....3,466	1,512,542	I.....214,157	1,748,406	9,205	1,990,337	I.....240,629			
New York.....	348,822	3,192,634	I.....2,673	11,536,468	I.....1,075,621	14,729,103	81,340	16,218,794	I.....488,370		2,385,811	
New Jersey.....	32,984	d1,970,055	I.....413,395	1,113,301	I.....55,932	3,083,356	0	3,135,441	I.....409,565			
Pennsylvania.....	(c)	f1,499,369	I.....507,922	g10,883,454	I.....91,723	12,082,823	(c)	12,082,823	I.....415,299			
South Atlantic Division:												
Delaware.....	(b)	185,994	I.....185,994	185,994	I.....185,994	185,994	60,607	246,601	I.....5,471		34,025	
Maryland.....	52,954	538,048	I.....25,217	1,012,600	I.....67,537	1,550,698	181,676	1,732,374	I.....5,471			
District of Columbia.....	0	e474,843	I.....74,727	474,843	I.....74,727	1,019,686	0	1,019,686	I.....5,471			
Virginia.....	36,983	837,673	I.....24,889	709,718	I.....13,341	1,517,391	40,178	1,557,569	I.....5,471			
West Virginia.....	(b)	572,662	I.....37,662	805,367	I.....33,618	1,141,029	66,701	1,207,730	I.....1,971		221,629	
North Carolina.....	0	537,461	I.....40,673	e27,500	I.....6,589	964,961	135,039	1,100,000	I.....23,537		192,108	
South Carolina.....	0	382,652	I.....27,686	50,663	I.....6,589	433,215	8,122	441,337	I.....23,583		120,489	
Georgia.....	37,000	512,493	I.....23,135	340,979	I.....109,104	883,472	11,756	895,228	I.....130,696		40,173	
Florida.....	0	76,000	I.....1,192	387,000	I.....9,762	463,000	0	463,000	I.....13,890		0	
South Central Division:												
Kentucky.....	108,237	1,160,859	I.....115,078	n711,791	I.....130,310	1,872,650	125,000	2,105,887	I.....245,836		384,891	
Tennessee.....	185,372	o1,055,213	I.....105,213	(p)	I.....105,213	1,055,213	112,223	1,322,808	I.....6,689		2,578	
Alabama.....	143,289	q387,861	I.....4,635	0	I.....10,176	603,861	553	741,708	I.....133,775		139,289	
Mississippi.....	75,073	390,000	I.....437,383	c217,383	I.....19,503	s373,383	325,528	1,137,983	I.....43,759		566,042	
Louisiana.....	42,118	262,215	I.....56,594	229,586	I.....21,531	491,801	32,646	566,564	I.....43,759		571,444	
Texas.....	1,458,186	1,035,783	I.....26,398	324,040	I.....16,495	1,359,823	168,870	2,980,879	I.....61,435		482,719	
Arkansas.....	(d)	289,005	I.....26,398	503,816	I.....147,858	792,821	j158,712	951,533	I.....61,435			

North Central Division:									
Ohio.....	243,087	1,681,969	I..... 17,638	7,896,203	I.... 183,165	9,578,172	342,231	10,163,490	I.... 241,676
Indiana <i>b</i> .....	674,748	1,402,651	D..... 87,062	2,797,147	I.... 238,389	4,199,798	360,486	5,235,032	I.... 185,114
Illinois.....	909,023	1,000,000	0	8,444,247	I.... 19,522	9,444,247	370,069	10,723,239	I.... 342,660
Michigan.....	827,773	0	0	4,067,495	I.... 176,622	4,067,495	591,879	5,487,147	I.... 295,647
Wisconsin.....	171,321	577,093	I..... 148,058	2,620,569	I.... 401,430	3,197,662	388,192	3,757,175	I.... 159,622
Minnesota.....	305,173	567,016	0	1,754,554	D.... 54,118	2,321,671	877,791	3,504,635	D.... 162,566
Iowa.....	782,137	0	0	5,335,803	D.... 484,425	5,335,803	760,729	5,160,704	I.... 112,116
Missouri.....	1,311,698	0	I..... 114,312	3,819,006	I.... 377,800	3,819,006	78,147	1,817,088	I.... 570,259
Dakota <i>b</i> .....	390,691	148,080	0	1,380,325	I.... 349,538	1,768,941	1,003,031	2,882,793	I.... 580,317
Nebraska <i>bc</i> .....	415,387	0	0	3,623,406	I.... 295,724	1,523,535	21,718	4,412,133	I.... 28,867
Kansas.....	6326,593	0	0	793,815	I.... 168,942	3,623,406	223,184	1,630,559	I.... 450,239
Western Division:									
Montana <i>b</i> .....	0	0	I..... 198,940	793,815	I.... 168,942	1,264,263	223,184	1,630,559	I.... 450,239
Wyoming.....	6148,142	0	I..... 6,199	140,803	I.... 38,241	147,303	2,349	149,652	I.... 39,326
Colorado.....	0	6,500	I..... 25,137	114,500	I.... 58,234	243,846	60,924	316,627	I.... 78,955
New Mexico.....	11,857	129,346	0	107,108	I.... 107,108	107,108	4,950	167,710	I.... 44,729
Arizona <i>b</i> .....	55,652	0	0	556,751	I.... 127,080	556,751	211,249	768,000	I.... 214,133
Nevada <i>b</i> .....	0	0	I..... 94,668	172,640	D.... 7,145	589,552	82,922	787,838	I.... 99,533
Idaho.....	115,364	416,912	I..... 293,686	2,442,255	I.... 12,642	4,705,661	337,007	5,286,745	I.... 635,571
Washington.....	244,077	2,263,406	0	0	I.... 12,642	0	0	0	I.... 15,000
Oregon.....	0	0	0	0	I.... 12,642	0	0	0	I.... 15,000
California.....	0	0	0	0	I.... 12,642	0	0	0	I.... 15,000
Alaska.....	0	0	0	0	I.... 12,642	0	0	0	I.... 15,000

*a* Excluding Alaska.

*b* In 1887-88.

*c* Approximately.

*d* Includes State appropriation of \$100,000.

*e* Included in column 5.

*f* From State appropriation.

*g* Includes revenue from all sources except State appropriation.

*h* In 1885-86.

*i* Included in column 8.

*j* Includes some revenue from permanent funds.

*k* Congressional appropriation.

*l* No separate data.

*m* In 1888.

*n* Including subscriptions.

*o* Includes local taxes, if any.

*p* Not reported.

*q* Includes an appropriation of \$250,000 from State treasury.

*r* Excluding some tuition fees and subscriptions.

*s* Poll tax included in "other sources."

*t* Includes poll tax.

*u* Includes some miscellaneous revenues.

*v* Average annual increase since 1887.



TABLE 12.—Showing the amount of school revenue derived from different sources per capita of population 6 to 14 and of average attendance, mainly for 1883-89.

State or Territory.	Revenue per capita of population 6 to 14.					Revenue per capita of average attendance.				
	From permanent funds and rents.	From State taxes.	From local taxes.	From other sources.	Total revenue.	From permanent funds and rents.	From State taxes.	From local taxes.	From other sources.	Total revenue.
1	2	3	4	5	6	7	8	9	10	11
United States <i>a</i> .....	\$0.81	\$2.07	\$7.23	\$0.72	\$10.88	\$1.23	\$3.15	\$11.03	\$1.10	\$16.51
North Atlantic Division.	.33	2.82	12.21	.49	15.66	.45	3.88	16.79	.68	21.80
South Atlantic Division.	.03	1.91	2.05	.26	4.23	.12	3.43	3.67	.4	7.07
South Central Division.	.74	1.67	.90	.34	3.65	1.35	3.06	1.65	.62	6.68
North Central Division.	1.47	1.85	10.16	1.18	14.17	2.01	1.86	13.91	1.62	19.49
Western Division <i>b</i> .....	1.25	7.19	10.11	2.06	20.61	1.84	10.59	14.90	3.04	30.38
North Atlantic Division:										
Maine.....	.49	3.67	6.63	0	10.84	.51	3.82	6.95	0	11.28
New Hampshire.....	.24	9.69	2.24	1.37	13.54	.29	11.72	2.72	1.65	16.38
Vermont <i>c</i> .....	.44	0	9.64	1.44	11.51	.52	0	11.42	1.70	13.64
Massachusetts <i>d</i> .....	.89	0	23.97	.01	24.87	1.00	0	27.05	.01	28.06
Rhode Island.....	.38	2.26	15.28	.18	18.10	.56	3.33	22.54	.27	26.70
Connecticut.....	1.47	2.17	13.89	.75	18.28	1.95	2.86	18.36	.99	24.17
New York.....	.38	3.47	12.53	1.24	17.62	.85	5.01	18.10	1.79	25.45
New Jersey <i>e</i> .....	.13	8.19	4.63	0	12.95	.24	14.57	8.23	0	23.04
Pennsylvania.....	( <i>e</i> )	1.56	10.98	( <i>e</i> )	12.54	( <i>e</i> )	2.18	15.40	( <i>e</i> )	17.58
South Atlantic Division:										
Delaware <i>g</i> .....	( <i>h</i> )	0	5.84	11.90	7.74	( <i>h</i> )	0	8.51	12.77	11.28
Maryland.....	.26	2.62	4.94	.89	8.70	.53	5.42	10.21	1.83	17.99
District of Columbia	0	12.23	12.23	0	24.46	0	17.20	17.20	0	34.39
Virginia.....	.10	2.17	1.84	.10	4.22	.18	4.23	3.63	.21	8.31
West Virginia.....	( <i>h</i> )	2.23	4.79	14.40	7.42	( <i>h</i> )	3.13	6.74	15.66	10.42
North Carolina <i>c</i> .....	0	1.41	4.07	.35	11.83	0	2.58	4.13	.65	13.36
South Carolina <i>c</i> .....	0	1.50	.20	.03	1.73	0	2.74	.86	.06	3.16
Georgia <i>k</i> .....	0	1.32	.88	.03	2.23	0	2.36	1.56	.05	3.97
Florida.....	.41	.84	4.30	0	5.56	.58	1.19	6.08	0	7.86
South Central Division:										
Kentucky.....	.25	2.72	11.66	.29	4.92	.48	5.22	13.20	.56	9.45
Tennessee <i>c</i> .....	.38	2.57	( <i>m</i> )	.27	3.22	.50	3.42	( <i>m</i> )	.36	4.28
Alabama.....	.33	1.02	.57	0	1.97	.83	2.25	1.26	0	4.34
Mississippi.....	.25	.99	1.44	11.67	3.75	.39	1.55	2.27	11.63	5.89
Louisiana <i>k</i> .....	.17	1.04	.91	.13	2.25	.47	2.90	2.54	.36	6.27
Texas.....	2.38	1.69	.53	.28	4.87	4.29	3.05	.95	.50	8.78
Arkansas.....	( <i>h</i> )	.97	1.69	15.53	8.20	( <i>h</i> )	2.04	3.56	11.12	6.72
North Central Division:										
Ohio.....	.37	2.57	12.08	.52	15.55	.46	3.17	14.85	.64	19.15
Indiana <i>c</i> .....	1.57	3.27	6.51	.84	12.19	1.65	3.43	6.84	.83	12.81
Illinois.....	1.34	1.47	12.44	.54	15.80	1.81	1.99	16.87	.74	21.41
Michigan.....	2.27	0	11.16	1.62	15.05	2.96	0	14.53	2.11	19.60
Wisconsin.....	.53	1.78	8.10	1.20	11.61	.92	3.09	14.02	2.08	20.10
Minnesota.....	1.12	2.03	6.43	3.23	12.85	2.73	5.08	15.71	7.86	31.38
Iowa.....	2.16	0	14.72	2.10	18.98	2.57	0	17.50	2.50	22.57
Missouri.....	2.46	0	6.99	0	9.45	3.56	0	10.13	0	13.69
Dakota <i>c</i> .....	0	4.83	15.28	.87	20.48	0	7.34	25.90	1.47	34.71
Nebraska <i>cd</i> .....	2.38	.79	7.36	5.38	15.91	3.44	1.14	10.65	7.78	23.01
Kansas.....	1.63	0	11.25	.81	13.69	2.15	0	14.81	1.06	18.02
Western Division:										
Montana <i>c</i> .....	0	0	16.97	1.25	18.22	0	0	34.38	2.53	36.91
Wyoming.....	3.20	10.52	17.76	4.99	36.43	4.02	13.23	22.32	6.27	45.84
Colorado.....										
New Mexico.....										
Arizona <i>c</i> .....	0	.61	13.22	.22	14.05	0	1.69	36.58	.61	38.88
Utah.....	.27	2.90	2.57	1.37	7.11	.60	6.55	5.80	3.08	16.03
Nevada <i>c</i> .....	8.03	0	15.45	.71	24.19	10.81	0	20.80	.96	32.57
Idaho.....										
Washington.....	0	0	11.26	4.27	15.53	0	0	19.04	7.29	26.28
Oregon.....	2.30	8.30	3.44	1.65	15.69	2.88	10.42	4.31	2.08	19.69
California.....	1.40	12.95	13.98	1.93	30.26	1.70	15.74	16.99	2.34	56.77
Alaska.....					5.00					100.00

*a* Excluding Alaska and the Territories not tabulated.*b* Excluding Wyoming, New Mexico, and Idaho.*c* In 1887-88.*d* Approximately.*e* Included, if any, in "local taxes."*f* Includes revenue from all sources except State appropriation.*g* In 1885-86.*h* Included in "other sources."*i* Includes some revenue from permanent funds.*j* United States appropriation.*k* In 1883.*l* Includes subscriptions.*m* Included, if any, in "State taxes."*n* Includes poll taxes.



TABLE 13.—Percentage classification of school revenues, mainly for 1888-89, showing the percentage of the whole revenue derived from each source named.

State or Territory.	Interest on per- manent funds and rent of school lands.	State taxes.	Local taxes.	Other revenues.
1	2	3	4	5
	Per cent.	Per cent.	Per cent.	Per cent.
United States <i>a</i> .....	7.4	19.1	66.8	6.7
North Atlantic Division.....	2.1	17.8	77.0	3.1
South Atlantic Division.....	1.5	44.6	47.8	6.1
South Central Division.....	20.2	45.7	24.7	9.4
North Central Division.....	10.3	9.6	71.7	8.4
Western Division <i>a</i> .. .	6.0	34.9	49.0	10.1
North Atlantic Division:				
Maine.....	4.5	33.9	61.6	0
New Hampshire.....	1.8	71.5	16.6	10.1
Vermont <i>b</i> .....	3.8	0	83.7	12.5
Massachusetts.....	3.6	0	96.4	0
Rhode Island.....	2.1	12.5	84.4	1.0
Connecticut.....	8.1	11.8	76.0	4.1
New York.....	2.2	19.7	71.1	7.0
New Jersey <i>b</i> .....	1.0	63.3	35.7	0
Pennsylvania.....	( <i>d</i> )	12.4	87.6	( <i>d</i> )
South Atlantic Division:				
Delaware <i>c</i> .....	( <i>f</i> )	0	75.4	<i>g</i> 24.6
Maryland.....	3.0	30.1	56.7	10.2
District of Columbia.....	0	<i>h</i> 50.0	50.0	0
Virginia.....	2.3	51.5	43.7	2.5
West Virginia.....	( <i>f</i> )	30.0	64.6	<i>g</i> 5.4
North Carolina <i>b</i> .....	0	76.3	23.9	19.3
South Carolina <i>b</i> .....	0	86.7	11.5	1.8
Georgia <i>i</i> .....	0	59.2	39.4	1.4
Florida.....	7.4	15.2	77.4	0
South Central Division:				
Kentucky.....	5.1	55.1	<i>j</i> 33.8	5.9
Tennessee <i>b</i> .....	11.7	79.8	( <i>k</i> )	8.5
Alabama.....	19.2	51.9	28.9	0
Mississippi.....	6.6	26.4	38.4	<i>l</i> 28.6
Louisiana <i>i</i> .....	7.4	46.3	40.5	5.8
Texas.....	48.8	34.7	10.8	5.7
Arkansas.....	( <i>f</i> )	30.4	52.9	<i>g</i> 16.7
North Central Division:				
Ohio.....	2.4	16.5	77.7	3.4
Indiana <i>b</i> .....	12.9	25.8	53.4	6.9
Illinois.....	8.5	9.3	78.8	3.4
Michigan.....	15.1	0	74.1	10.8
Wisconsin.....	4.6	15.4	69.8	10.2
Minnesota.....	8.7	16.2	50.1	25.0
Iowa.....	11.4	0	77.6	11.0
Missouri.....	26.0	0	74.0	0
Dakota <i>b</i> .....	0	21.2	74.6	4.2
Nebraska <i>bc</i> .....	14.9	5.0	46.3	33.8
Kansas.....	11.9	0	8.22	5.9
Western Division:				
Montana <i>b</i> .....	0	0	93.2	6.8
Wyoming.....				
Colorado.....	8.8	28.8	48.7	13.7
New Mexico.....				
Arizona <i>b</i> .....	0	4.3	94.1	1.6
Utah.....	3.8	40.8	36.1	19.3
Nevada <i>b</i> .....	33.2	0	63.9	2.9
Idaho.....				
Washington.....	0	0	72.5	27.5
Oregon.....	14.6	52.9	21.9	10.6
California.....	4.6	42.8	46.2	6.4
Alaska.....				

*a* Excluding the Territories not tabulated below.*b* In 1887-88.*c* Approximately.*d* Included, if any, in "local taxes."*e* In 1885-86.*f* Included in "other revenue."*g* Includes some revenue from permanent funds.*h* United States appropriation.*i* In 1883.*j* Includes subscriptions.*k* Included, if any, in "State taxes."*l* Includes poll taxes.

*School revenues.*—An attempt has been made in the preceding tables (10-14) to make the classification of revenue more accurate than heretofore.

Care has been taken to give separately whenever possible the revenue derived from permanent funds, so that as now tabulated it amounts to 7.4 per cent. of the total, instead of 5.3 per cent. as given in the Bureau's last report.

The classification of taxes into State and local is involved in uncertainty. No criterion can be adopted that will be applicable in all cases. Taxes pass through all shades of gradation from that levied, collected, and apportioned by the State to the purely voluntary local tax.

These and many other difficulties, including the differences of classification adopted in different States, so that it is impossible to reclassify in conformity with the Bureau's schedule, or with any schedule possessing significance that can be devised, render the tables of school revenues to a considerable degree unsatisfactory; in point of fact, it is not possible to form any tables the summaries of which will be more than fair approximations, except as to the total revenue, which may be and is very accurately given.

TABLE 14.--School expenditures, mainly for 1883-89, compared in part with those of preceding year.

State or Territory.	Permanent expenditure.			Current expenditure for tuition.						Other current expenditure.	Total expenditure, excluding payment of bonded indebtedness.	Increase or decrease since preceding year.	Increase or decrease per cent.	Indebtedness paid.
	Sites, buildings, and furniture.	Libraries and apparatus.	Salaries of superintendents.	Salaries of teachers.	Salaries of superintendents and teachers.	Increase or decrease since preceding year.	Increase or decrease per cent.	9	10					
I	2	3	4	5	6	7	8	9	10	11	12	13		
United States a.....	\$22, 204, 100	987, 048			\$87, 888, 666	I. \$4, 430, 282	I..... 5.31	\$21, 049, 786	\$132, 129, 600	I. \$8, 861, 660	I..... 7.19			
North Atlantic Division a.....														
Maine.....	163, 650				b 818, 000	I.....	I..... b 2, 32	b 271, 280	1, 252, 930	I..... 28, 369	I..... 2.32			
New Hampshire.....	115, 768				501, 174	I..... 6, 098	I..... 1.23	122, 131	c 739, 073	I..... 30, 585	I..... 4.32			
Vermont d.....	58, 888				473, 309	I..... 11, 024	I..... 2.33	108, 108	650, 392	I..... 37, 544	I..... 6.13			
Massachusetts.....	810, 765				f 5, 366, 605	I..... 256, 543	I..... 4.82	g 1, 115, 481	7, 510, 719	I..... 423, 513	I..... 5.98			
Rhode Island.....	217, 213				573, 413	I..... 35, 755	I..... 6.65	907, 287	1, 907, 287	I..... 42, 215	I..... 9.96			
Connecticut.....	228, 190				1, 291, 473	I..... 30, 028	I..... 2.32	417, 388	1, 984, 254	I..... 133, 175	I..... 7.54			
New York.....	3, 744, 560				9, 804, 604	I..... 188, 912	I..... 1.93	1, 997, 266	16, 050, 245	I..... 1, 469, 404	I..... 17.75			
New Jersey d.....	590, 016				h 2, 523, 425	I..... 450, 733	I..... 21.74	(7)	3, 113, 441	I..... 469, 565	I..... 17.75			
Pennsylvania.....	f 2, 054, 004				6, 603, 798	I..... 264, 903	I..... 4.13	c 3, 178, 459	e 11, 902, 261	I..... 883, 270	I..... 8.07			
South Atlantic Division:														
Delaware d.....	115, 533				202, 893	I..... 12, 893	I..... b 6, 79	m 28, 292	246, 718	D..... b 11, 282	D..... b 4, 37			
Maryland.....	190, 923				1, 450, 475	I..... 43, 050	I..... 3.10	231, 368	1, 852, 766	I..... 69, 885	I..... 3.92			
District of Columbia.....	332, 247				470, 110	I..... 27, 274	I..... 5.61	m 142, 283	n 944, 640	I..... 149, 591	I..... 18.82			
Virginia.....	184, 908				1, 259, 039	I..... 54, 244	I..... 4.65	142, 350	1, 620, 809	I..... 62, 456	I..... 4.01			
West Virginia.....	220, 733				812, 723	D..... 10, 971	D..... 1.33	265, 242	1, 307, 901	I..... 67, 251	I..... 5.42			

a These summaries, except that of column 3, include all the States, estimates being made of the few not reported.

b Estimated.

c Including debt paid.

d In 1887-88.

e Included in column 9.

f Including fuel and janitor's wages.

g Includes \$427, 156 expended for schoolbooks and supplies.

h Revenue for "maintaining the schools."

i Included in column 5.

j Includes amount paid for renting.

k Salaries of teachers only.

l In the city of Wilmington only, the expenditure for sites, etc., elsewhere is included in column 9.

m Includes some permanent expenditure.

n Also \$5,046 were expended for evening schools.



TABLE 14. — *School expenditures, mainly for 1888-89, compared in part with those of preceding year—Continued.*

State or Territory.	Permanent expenditure.			Current expenditure for tuition.					Total expenditure, excluding payment of bonded indebtedness.	Increase or decrease since preceding year.	Increase or decrease per cent.	Indebtedness paid.
	2	3	4	Salaries of superintendents.	Salaries of teachers.	Salaries of superintendents and teachers.	7	8				
South Atlantic Division—												
Continued:												
North Carolina a	\$86,869	0	\$23,340	\$547,693	\$571,034	I...	\$22,369	I...	\$62,067	I...	\$38,151	I...
South Carolina a	25,938		23,784	396,333	400,117	I...	12,631	I...	12,221	I...	29,765	I...
Georgia c	d 134,295		43,943	682,817	706,760	I...	23,494	I...	27,950	I...	117,343	I...
Florida	e 25,000				e 450,000				e 25,000	I...	15,890	I...
South Central Division:												
Kentucky	256,307		61,666	1,654,885	1,716,551	I...	118,968	I...	2,153,178	I...	250,047	I...
Tennessee a	85,708		23,786	963,923	990,709	I...			1,157,920	I...		I...
Alabama	776,798		14,299	562,939	576,898	I...	9,154	I...	81,453	I...		I...
Mississippi	116,951		33,307	530,669	963,976	I...	37,709	I...	483,809	I...		I...
Louisiana c	4,690		26,692	463,299	495,391	I...	24,718	I...	34,881	I...	78,514	I...
Texas	480,932	(s)	111,066	2,493,576	2,609,642	I...	212,069	I...	514,269	I...	29,959	I...
Arkansas	100,094			830,041	830,041	I...	39,908	I...	392,878	I...	705,280	I...
North Central District:												
Ohio	1,198,658		183,611	6,574,758	6,700,398	I...	191,810	I...	967,609	I...	66,418	I...
Indiana	724,155		90,000	3,996,199	4,086,199	I...			10,693,706	I...	179,082	I...
Illinois	2,285,687		141,702	6,772,686	6,914,388	I...	58,666	I...	4,957,626	I...	297,457	I...
Michigan	641,661		61,419	3,193,535	3,193,535	I...	120,878	I...	11,015,058	I...	735,684	I...
Wisconsin	590,459		60,709	2,414,281	2,414,281	I...	155,736	I...	4,952,524	I...	30,383	I...
Minnesota	796,305		11,228	3,145,258	3,145,258	I...	202,592	I...	3,655,052	I...	165,002	I...
Iowa	861,251			4,197,165	4,197,165	I...	90,063	I...	3,931,215	I...	136,531	I...
Missouri	340,573		32,226	3,220,264	3,220,264	I...	35,027	I...	6,488,397	I...	396,304	I...
Dakota a	213,897		51,032	937,717	937,717	I...	210,342	I...	4,552,463	I...	33,078	I...
Nebraska	1,182,175			1,891,852	1,891,852	I...	192,067	I...	1,790,968	I...	237,394	I...
Kansas	1,014,731				2,896,904	I...	309,391	I...	5,419,721	I...	355,582	I...
Western Division:												
Montana a	e90,000				e 215,000	I...			1,067,070	I...	433,813	I...
Wyoming c	e10,000				381,908	I...			637,412	I...	22,867	I...
Colorado	530,206		211,506	713,972	755,937	I...	369,635	I...	1,506,143	I...	353,731	I...
New Mexico c				74,400	771,400	I...			145,400	I...		I...
Arizona a	22,029		5,611	106,222	106,806	I...	15,626	I...	130,212	I...	12,036	I...
Utah	48,492	8,850	13,225	172,671	185,899	I...	11,368	I...	284,856	I...	40,886	I...
Nevada a	10,691	2,029		135,308	135,308	I...	64,417	I...	168,852	I...	64,970	I...



TABLE 15.—*Per capita expenditure of money for school purposes, mainly for 1883-89.*

State or Territory.	Expended per capita of total population—			
	For sites, buildings, furniture, and apparatus.	For salaries of superintendents and teachers.	For other purposes.	Total expenditure.
1	2	3	4	5
United States <i>a</i> .....	\$0.38	\$1.44	\$0.35	\$2.17
North Atlantic Division .....	.50	1.67	.42	2.59
South Atlantic Division .....	.14	.73	.11	.98
South Central Division .....	.11	.77	.08	.96
North Central Division .....	.46 <sup>1</sup>	1.77	.50 <sup>1</sup>	2.74
Western Division <i>a</i> .....	.80	2.19	.35	3.34
North Atlantic Division:				
Maine .....	.25	b1.24	b.41	1.90
New Hampshire .....	.31	1.34	.33	1.98
Vermont <i>c</i> .....	.18	1.46	.32	1.96
Massachusetts.....	.38	d2.57	.51	3.46
Rhode Island.....	.66	1.70	.33	2.69
Connecticut .....	.33	1.81	.57	2.71
New York.....	.71	1.70	.32	2.73
New Jersey <i>c</i> .....	.43	e1.84	(f)	2.27
Pennsylvania .....	.40	1.30	g.62	g2.32
South Atlantic Division:				
Delaware <i>c</i> .....	h.10	1.24	i.17	1.51
Maryland.....	.19	1.39	.22	1.80
District of Columbia .....	1.48	2.10	.64	4.22
Virginia.....	.11	.79	.69	1.59
West Virginia .....	.31	1.09	.36	1.76
North Carolina <i>c</i> .....	.04	.36	.04	b.44
South Carolina <i>c</i> .....	.02	.33	.01	.41
Georgia <i>j</i> .....	k.08	.40	.01	.49
Florida .....				1.32
South Central Division:				
Kentucky.....	.14	.93	.10	1.17
Tennessee <i>c</i> .....	.05	.58	.04	.67
Alabama.....	.06	.39	.06	.51
Mississippi.....	.09	.76	.03	.88
Louisiana <i>j</i> .....	.00 <sup>1</sup>	.46	.04	.50 <sup>1</sup>
Texas.....	.22	1.21	.18	1.61
Arkansas.....	.09	.76	.03	.88
North Central Division:				
Ohio.....	.33	1.87	.59	2.77
Indiana.....	.34	1.89	.06	2.29
Illinois.....	.62	1.85	.43	2.95
Michigan.....	.34	1.56	.52	2.42
Wisconsin.....	.39	1.46	.35	2.20
Minnesota.....	.59	1.70	.87	3.16
Iowa.....	.48	2.24	.74	3.46
Missouri.....	.14	1.23	.37	1.74
Dakota <i>c</i> .....	.63	2.10	1.08	3.81
Nebraska.....	1.20	1.92	.35	3.47
Kansas.....	.74	2.04	.73	3.51
Western Division:				
Montana <i>c</i> .....	.87	2.08	.12	3.07
Wyoming.....				
Colorado.....	1.49	2.58	0	4.07
New Mexico <i>b j</i> .....	(h)	.53	i1.50	1.03
Arizona <i>c</i> .....	.41	1.92	.03	2.36
Utah.....	.29	.93	.21	1.43
Nevada <i>c</i> .....	.27	2.85	.44	3.56
Idaho.....				2.10
Washington.....	.95	1.10	.24	2.29
Oregon.....	.44	1.77	.34	2.55
California.....	.88	2.93	.54	4.35
Alaska.....	.03	.40		

*a* Excluding Alaska and Wyoming.*b* Approximately.*c* In 1887-88.*d* Includes fuel and janitors' wages.*e* Expended for "maintaining the schools."*f* Included in the preceding column.*g* Includes debt paid.*h* Some expenditure for sites and buildings is included in expenses "for other purposes."*i* Includes some expenditure for sites and buildings.*j* In 1888.*k* Includes some miscellaneous expenditure.*l* Includes balance unexpended.



TABLE 16.—*Per capita expenditure of money for school purposes, continued; also amount expended in mills per dollar of assessed valuation.*

State or Territory.	Expended per capita of average attendance—				Number of mills expended for each dollar of assessed valuation—			
	For sites, buildings, furniture, and apparatus.	For salaries of superintendents and teachers.	For other purposes.	Total expenditure.	For sites, buildings, furniture, and apparatus.	For salaries of superintendents and teachers.	For other purposes.	Total expenditure.
1	2	3	4	5	6	7	8	9
United States <i>a</i> .....	\$2.89	\$10.98	\$2.63	\$16.51	Mills per dollar. 1.0	Mills per dollar. 3.7	Mills per dollar. .9	Mills per dollar. 5.6
North Atlantic Division <i>a</i> .....	4.14	13.98	3.55	21.67	.8	2.8	.7	4.4
South Atlantic Division <i>a</i> .....	1.11	5.83	.86	7.80	.6	3.2	.5	4.3
South Central Division .....	.77	5.57	.58	6.93	.5	3.6	.4	4.4
North Central Division .....	3.28	12.51	3.57	19.37	1.3	5.1	1.4	7.9
Western Division <i>a</i> .....	7.21	19.66	3.12	29.99	1.2	3.4	.5	5.2
North Atlantic Division:								
Maine .....	1.66	b8.29	b2.75	12.70				
New Hampshire.....	2.66	11.53	2.81	17.00	.5	1.9	.5	2.9
Vermont <i>c</i> .....	1.28	10.49	2.35	14.12	.4	3.1	.7	4.1
Massachusetts.....	3.01	d20.60	4.12	27.72	.4	d2.8	.6	3.8
Rhode Island.....	6.58	16.97	3.29	26.84				
Connecticut.....	2.93	16.09	5.07	24.09	.7	3.8	1.1	5.6
New York.....	6.53	15.65	2.99	25.17	1.2	2.8	.4	4.5
New Jersey <i>c</i> .....	4.36	e18.68	( <i>f</i> )	23.04	1.0	e4.2	( <i>f</i> )	5.2
Pennsylvania.....	2.99	9.70	g4.62	g17.31	.8	2.6	g1.2	g4.6
South Atlantic Division:								
Delaware <i>c</i> .....	h.73	9.54	i1.33	11.60	j.4	j2.8	j.5	j3.7
Maryland.....	1.92	14.41	2.33	18.67				
District of Columbia .....	12.03	17.02	5.15	34.20	e1.9	e3.5	e.9	e6.3
Virginia.....	.97	6.59	.73	8.29	.6	3.7	.4	4.7
West Virginia.....	1.92	6.77	2.21	10.90	e1.3	e5.0	e1.3	e7.6
North Carolina <i>c</i> .....	.32	2.74	.30	63.36	.3	2.8	.3	b3.4
South Carolina <i>c</i> .....	.20	3.01	.09	3.30	.2	3.0	.1	3.3
Georgia <i>k</i> .....	4.62	3.24	.13	3.99	4.4	2.0	.1	2.6
Florida.....				7.68				5.6
South Central Division:								
Kentucky.....	1.15	7.71	.81	9.67	.5	3.4	.4	4.3
Tennessee <i>c</i> .....	.28	3.20	.26	3.75	.3	3.3	.3	3.9
Alabama.....	.52	3.35	.49	4.36	.4	2.4	.3	3.1
Mississippi.....	.61	4.99	.18	5.78	.7	6.1	.3	7.1
Louisiana <i>k</i> .....	0.5	5.47	.49	6.01		2.4	.2	2.6
Texas.....	1.41	7.67	1.16	10.24	.7	3.6	.5	4.8
Arkansas.....	.71	5.87	.26	6.84	.6	5.0	.2	5.8
North Central Division:								
Ohio.....	2.26	12.74	4.02	19.02	.7	3.9	1.2	5.8
Indiana.....	2.12	11.65	.37	14.14	.9	4.9	.2	6.0
Illinois.....	4.64	13.81	3.55	22.00	2.9	8.7	2.2	13.9
Michigan.....	2.51	11.41	3.77	17.69	.7	3.1	1.0	4.8
Wisconsin.....	3.43	12.92	3.16	19.56	1.1	4.2	1.0	6.3
Minnesota.....	6.61	19.21	9.84	35.66	1.2	3.4	1.8	6.4
Iowa.....	2.98	13.77	4.52	21.27	1.7	8.0	2.6	12.3
Missouri.....	.95	8.54	2.59	12.08	.5	4.3	1.3	6.1
Dakota <i>c</i> .....	5.55	19.58	9.53	33.66	1.8	6.1	3.1	11.1
Nebraska.....	7.40	11.85	2.16	21.41	6.5	10.4	1.9	18.7
Kansas.....	4.43	12.20	4.55	20.99	3.0	8.3	3.0	14.3
Western Division:								
Montana <i>c</i> .....	10.47	25.00	1.45	36.92	1.3	3.2	.2	4.7
Wyoming.....								
Colorado.....	15.47	26.88	.00	42.35	2.9	5.0	.0	7.8
New Mexico <i>b k</i> .....	( <i>h</i> )	6.05	i m5.77	11.82	( <i>h</i> )	1.7	i m1.6	3.4
Arizona <i>c</i> .....	5.93	27.51	.39	33.82				
Utah.....	2.90	9.41	2.11	14.42	1.1	3.6	.8	5.5

*a* These summaries include all the States and Territories except Alaska and Wyoming. The States not reported in columns 6, 7, 8, and 9 are estimated.

*b* Approximately.

*c* In 1887-88.

*d* Includes fuel and janitors' wages.

*e* Amount expended for "maintaining the schools."

*f* Included in the preceding column.

*g* Including debt paid.

*h* Some expenditure for sites and buildings is included in "expenses for other purposes."

*i* Includes some expenditure for sites and buildings.

*j* In 1886-87.

*k* In 1888.

*l* Includes some miscellaneous expenditure.

*m* Includes balance unexpended.

TABLE 16.—*Per capita expenditure of money for school purposes, etc.—Continued.*

State or Territory.	Expended per capita of average attendance—				Number of mills expended for each dollar of assessed valuation—			
	For sites, buildings, furniture, and apparatus.	For salaries of superintendents and teachers.	For other purposes.	Total expenditure.	For sites, buildings, furniture, and apparatus.	For salaries of superintendents and teachers.	For other purposes.	Total expenditure.
1	2	3	4	5	6	7	8	9
					Mills per dollar.	Mills per dollar.	Mills per dollar.	Mills per dollar.
Nevada <i>a</i> .....	2.47	26.28	4.04	32.79				
Idaho.....				19.49				6.4
Washington.....	9.33	10.76	2.31	22.40	2.2	2.5	.5	5.2
Oregon.....	3.28	13.04	2.49	18.81				
California.....	7.16	13.72	4.35	35.23	.9	3.1	.6	4.6
Alaska <i>b</i> .....	3.50	40.35						

*a* In 1887-88.*b* Approximately.TABLE 17.—*Percentage classification of school expenditure, mainly for 1888-89; showing the percentage of the whole expenditure devoted to each of the objects named.*

State or Territory	Sites, buildings, furniture, libraries, and apparatus.	Salaries of superintendents and teachers.	Other expenses.	State or Territory.	Sites, buildings, furniture, libraries, and apparatus.	Salaries of superintendents and teachers.	Other expenses.
1	2	3	4	1	2	3	4
	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>		<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>
United States <i>a</i> .....	17.5	66.5	15.9	Tennessee <i>c</i> .....	7.4	85.6	7.0
North Atlantic Division..	19.1	64.5	16.4	Alabama.....	11.9	76.9	11.2
South Atlantic Division..	14.2	74.7	11.0	Mississippi.....	10.4	86.4	3.2
South Central Division....	11.1	80.5	8.4	Louisiana <i>b</i> .....	.9	91.0	8.1
North Central Division....	17.0	64.6	18.4	Texas.....	13.8	74.9	11.3
Western Division <i>a</i> .....	24.0	65.5	10.4	Arkansas.....	10.3	85.8	3.9
North Atlantic Division:				North Central Division:			
Maine.....	13.1	665.3	621.6	Ohio.....	11.9	67.0	21.1
New Hampshire.....	15.7	67.8	16.5	Indiana.....	15.0	82.4	2.6
Vermont <i>c</i> .....	9.1	74.3	16.6	Illinois.....	21.1	62.8	16.1
Massachusetts.....	10.8	674.3	14.9	Michigan.....	14.2	64.5	21.3
Rhode Island.....	24.5	63.2	12.3	Wisconsin.....	17.8	65.1	16.1
Connecticut.....	12.2	66.8	21.0	Minnesota.....	18.5	53.9	27.6
New York.....	25.9	62.2	11.9	Iowa.....	14.0	64.7	21.3
New Jersey <i>c</i> .....	18.9	681.1	( <i>f</i> )	Missouri.....	7.3	70.8	21.4
Pennsylvania.....	17.3	56.0	26.7	Dakota <i>c</i> .....	16.5	55.2	28.3
South Atlantic Division:				Nebraska.....	34.6	55.3	10.1
Delaware <i>c</i> .....	66.3	82.2	111.5	Kansas.....	21.1	58.1	20.8
Maryland.....	10.3	77.2	12.5	Western Division:			
District of Columbia....	35.2	49.8	15.0	Montana <i>c</i> .....	23.4	67.7	3.9
Virginia.....	11.7	79.5	8.8	Wyoming.....			
West Virginia.....	17.6	62.1	20.3	Colorado.....	36.5	63.5	
North Carolina <i>c</i> .....	9.6	81.6	8.8	New Mexico <i>b</i> <i>t</i> .....	( <i>g</i> )	51.2	143.8
South Carolina <i>c</i> .....	6.1	91.2	2.7	Arizona <i>c</i> .....	17.5	81.3	1.2
Georgia <i>f</i> .....	115.5	81.3	3.2	Utah.....	20.1	65.3	14.6
Florida.....				Nevada <i>c</i> .....	7.5	80.1	12.4
South Central Division:				Idaho.....			
Kentucky.....	11.9	79.7	8.4	Washington.....	41.7	48.0	10.3
				Oregon.....	17.4	69.3	13.3
				California.....	20.3	67.3	12.4
				Alaska.....			

*a* Excluding States not tabulated below.*f* Included in column 3.*i* In 1888.*b* Approximately.*g* Some expenditures for sites and buildings is included in "other expenses."*j* Includes some miscellaneous expenditure.*c* In 1887-88.*h* Includes some expenditure for sites and buildings.*k* Includes balances unexpended.*d* Includes fuel and janitor's wages.*e* For maintaining the schools.



TABLE 18.—Average cost of education per day for each pupil.

State or Territory.	Average daily cost of education for each pupil—		State or Territory.	Average daily cost of education for each pupil—	
	For tuition only.	For all purposes.		For tuition only.	For all purposes.
1.	2.	3.	1.	2.	3.
	<i>Cents.</i>	<i>Cents.</i>		<i>Cents.</i>	<i>Cents.</i>
United States <i>a</i> .....	8.2	12.3	Tennessee <i>c</i> .....	4.1	4.7
North Atlantic Division.....	8.5	13.2	Alabama.....	4.4	5.8
South Atlantic Division.....	5.8	7.8	Mississippi.....	5.5	6.3
South Central Division.....	6.1	7.6	Louisiana <i>g</i> .....	5.9	6.5
North Central Division.....	8.5	13.1	Texas.....	6.9	9.2
Western Division <i>a</i> .....	14.1	21.6	Arkansas.....	7.8	9.1
North Atlantic Division:			North Central Division:		
Maine.....	67.4	11.4	Ohio.....	7.7	11.5
New Hampshire.....	9.8	14.5	Indiana.....	8.8	10.7
Vermont.....	7.7	10.3	Illinois.....	8.6	13.8
Massachusetts.....	12.0	16.2	Michigan.....	7.5	11.6
Rhode Island.....	8.8	13.9	Wisconsin.....	7.8	11.9
Connecticut.....	8.9	13.4	Minnesota.....	15.2	28.3
New York.....	8.7	13.9	Iowa.....	8.9	13.8
New Jersey <i>c</i> .....	9.8	12.0	Missouri.....	6.0	8.5
Pennsylvania.....	6.5	11.6	Dakota <i>c</i> .....	17.5	31.8
South Atlantic Division:			Nebraska.....	10.4	18.8
Delaware <i>c</i> .....	5.8	7.1	Kansas.....	9.5	16.4
Maryland.....	7.8	10.0	Western Division:		
District of Columbia.....	9.4	18.9	Montana <i>c</i> .....	19.7	29.1
Virginia.....	5.5	7.0	Wyoming.....		
West Virginia.....	6.6	10.7	Colorado.....	15.8	24.9
North Carolina <i>c</i> .....	4.3	5.3	New Mexico <i>b g</i> .....	10.5	20.7
South Carolina <i>c</i> .....	4.2	4.6	Arizona.....	20.4	25.1
Georgia <i>g</i> .....	4.7	5.8	Utah.....	7.0	10.7
Florida.....		5.2	Nevada <i>c</i> .....	15.5	19.3
South Central Division:			Idaho.....		24.4
Kentucky.....	8.2	10.3	Washington.....	11.7	24.3
			Oregon.....	12.0	17.3
			California.....	14.8	22.0
			Alaska.....	622.4	

*a* Excluding Wyoming and Alaska.*b* Approximately.*c* In 1887-88.*d* Includes fuel and janitor's wages.*e* For "maintaining the schools."*f* Includes debt paid.*g* In 1888.

TABLE 19.—Permanent common school funds and total assessed valuation, mainly for 1888-89; also assessed valuation per capita of total population.

State or Territory.	Permanent school fund.		Assessed value of all taxable property.		
	Amount yielding revenue.	Amount not yielding revenue.	Total assessed valuation.	Increase or decrease since preceding year.	Value per capita of total population.
1	2	3	4	5	6
United States <i>a</i> .....	\$129,149,436		\$23,722,789,763		\$389
North Atlantic Division <i>a</i> .....	20,552,356		10,052,815,590		591
South Atlantic Division <i>a</i> .....	2,411,299		1,974,186,626		228
South Central Division.....	32,792,624		2,299,229,410		216
North Central Division.....	67,422,855		7,595,758,766		317
Western Division <i>a</i> .....	5,969,312		1,800,799,371		647
North Atlantic Division:					
Maine.....	830,600				
New Hampshire.....	( <i>b</i> )		258,726,009		694
Vermont.....	<i>c</i> \$78,816		157,192,262		<i>e</i> 473
Massachusetts.....	5,110,919		1,992,804,101	I... \$60,255,294	918
Rhode Island.....	273,330	\$6,339			
Connecticut.....	2,023,754		352,795,926	I... 3,070,153	483

*a* The summaries of columns 4 and 6 include all the States and Territories except Alaska, those not reported being estimated.*b* Some local funds, amount not reported.*c* In 1887-88.*d* Also 23,823 acres of land.*e* In 1886-87.

TABLE 19.—*Permanent common school funds and total assessed valuation, etc.*—Continued.

State or Territory.	Permanent school fund.		Assessed value of all taxable property.		
	Amount yielding revenue.	Amount not yielding revenue.	Total assessed valuation.	Increase or decrease since preceding year.	Value per capita of total population.
1	2	3	4	5	6
North Atlantic Division—Con'd:					
New York .....	\$8,012,661		\$3,567,429,757	I...\$98,229,812	\$606
New Jersey .....	ab3,422,276		c603,676,953	I.. 16,759,593	c440
Pennsylvania .....	(d)		2,570,190,582		500
South Atlantic Division:	(d)				
Delaware .....					
Maryland .....			476,829,611	I... 7,236,386	473
District of Columbia .....			127,214,025		583
Virginia .....	1,191,027		343,854,793		210
West Virginia .....	619,962	\$8,309	c163,863,088	I... 2,000,349	c225
North Carolina .....	100,000	(f)	204,837,635	D... 5,197,818	130
South Carolina .....	0		143,420,016	I... 3,433,862	130
Georgia .....	0		357,167,458		202
Florida .....	500,300	(g)	90,000,000	I... 7,399,024	237
South Central Division:					
Kentucky .....	1,779,447		498,423,606	I... 6,869,417	272
Tennessee .....	2,512,500		297,205,054		173
Alabama .....	e2,611,182	e15,460	242,197,531	I... 28,000,000	163
Mississippi .....	875,000	(h)	157,000,000	I... 27,000,000	124
Louisiana .....	1,130,870		208,076,914	D... 3,848,837	193
Texas .....	i19,424,737	j196,662	k729,000,000	I...k41,000,000	338
Arkansas .....	458,883		1167,326,305	I...10,371,703	151
North Central Division:					
Ohio .....	4,302,766		1,754,197,344	I... 22,138,548	435
Indiana .....	9,766,787		831,287,368		384
Illinois .....	m10,699,638		792,197,542	I... 7,285,668	212
Michigan .....	4,529,677		k1,030,000,000		503
Wisconsin .....	c2,905,274	(n)	d581,294,749		361
Minnesota .....	8,469,167	(o)	625,723,018		496
Iowa .....	4,319,442		522,567,000	I... 16,839,429	279
Missouri .....	p10,665,837		753,522,160	I... 33,145,794	287
Dakota .....	(q)	(r)	161,420,974	I... 4,336,608	343
Nebraska .....	cs5,677,061	cl270,664	182,763,538		186
Kansas .....	6,026,206	215,835	360,815,073	I... 7,577,750	246
Western Division:					
Montana .....	(q)		67,430,534	I... 7,331,040	633
Wyoming .....	(q)		32,089,613		730
Colorado .....	e612,507	(eu)	193,000,000	I... 24,187,753	521
New Mexico .....	(q)		43,151,920		307
Arizona .....	(q)				
Utah .....	(q)		51,917,312	I... 5,533,239	261
Nevada .....	ev1,089,345				
Idaho .....			25,000,000	I... 3,500,000	326
Washington .....	(q)		125,165,115	I... 40,543,933	437
Oregon .....	a1,302,060	a2,634,500			
California .....	2,965,400	276,000	1,108,044,877	I...152,589,038	951
Alaska .....					

a In 1886-87.

b This sum includes the value of riparian lands (\$1,089,833) leased at 6 per cent.

c In 1888.

d Not reported.

e In 1887-88.

f About 600,000 acres swamp land.

g 400,000 acres of land.

h 30,000 acres of Chickasaw lands.

i Also 7,000,000 acres of land under lease, estimated to be worth \$20,000,000.

j Also 22,000,000 acres of land. Total value of bonds, land notes, and lands unsold, \$100,000,000.

k Approximately.

l Two counties not reporting.

m This includes land under lease valued at \$4,753,289.

n 79,469 acres of land.

o 531,012 acres of land.

p Includes some local funds.

q School land not yet available.

r 1,715,009 acres of land estimated at \$9,929,902.

s Also 1,361,233 acres of land under lease.

t Also 655,431 acres of land.

u 1,245,728 acres of land.

v Including amount not yielding revenue.

## CHAPTER XXIII.

### DIGESTS OF STATE SCHOOL REPORTS.

#### ALABAMA.

[From Report for 1888-89 of State Superintendent Solomon Palmer]

#### STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
White population (7-21 years of age).....		295,766	.....
Colored population (7-21 years of age).....		226,925	.....
Total.....		522,691	.....
White pupils enrolled.....	164,799	165,098	I.....299
Colored pupils enrolled.....	102,490	105,166	I.....2,616
Total.....	267,289	270,264	I.....2,915
Average daily attendance.....	170,896	172,101	I.....1,205
Average term of county schools, in days.....	68	69	I.....1
<b>TEACHERS AND SALARIES.</b>			
White male teachers employed in county schools.....	2,368	2,476	I.....108
White female teachers employed in county schools.....	1,850	1,472	I.....122
Colored male teachers employed in county schools.....	1,290	1,315	I.....25
Colored female teachers employed in county schools.....	585	653	I.....68
Total number of teachers in county schools.....	5,593	5,916	I.....323
Average monthly salary of—			
White teachers in county schools.....	\$21.57	\$21.14	D.....\$0.43
Colored teachers in county schools.....	23.06	21.15	D.....1.91
White teachers in city schools.....		53.40	.....
Colored teachers in city schools.....		40.00	.....
Whole amount paid teachers.....	\$553,753	\$562,599	I.....\$8,846

According to the school census of August, 1889, there were 522,691 children between 7 and 21 years of age, an increase of 36,702 since the census of 1887; the average annual rate of increase for the two years was 3.76 per cent.

Meanwhile the enrollment increased during the year 1888-89 only 2,915, or 1.09 per cent.; and the school expenditure, \$6,689, or less than 1 per cent. The increase in enrollment and expenditure is not keeping pace with the increase in population. This is progress backwards. During the coming year, however, the State appropriation will be increased by \$100,000; still, the increase of educable children is so rapid that this addition to the school fund will not materially increase the amount apportioned per capita. A substantial enlargement of the school fund will be necessary to provide a sufficient number of country schools and to enable them keep open an average of over three and one-half months.

#### SIGNS OF PROGRESS.

On this point Superintendent Palmer says: "There is no denying the fact that there is an interest felt in our public-school system never felt before. The system is regarded, as it should be, as one of the prime factors in the material, social, moral, and intellectual advancement of the State. This was evidenced by the act of the last legislature in increasing the direct appropriation from the State treasury by \$100,000. It is shown by the unusual activity of county superintendents in holding county institutes, and by the teachers in their cheerful attendance upon these institutes. It is shown by the demand



of the people for well qualified and specially trained teachers to instruct their children. It is shown by a willingness, never seen before in most counties, to supplement the meager State appropriation. It is seen in all our towns and cities, where spacious school-houses and ample funds are being provided to run the schools continuously from eight to ten months each year. It is seen in the unusually large number of young men and women attending our normal schools to prepare themselves for teaching. It is seen in the interest manifested by the newspapers of the State in constantly keeping before the public the question of education. It is seen in the large attendance of young men and women in our higher institutions of learning, both public and church. Never in the past were the signs more favorable for a general educational advance throughout the State. When we remember that the close of the war found us without any means for the current expenses of running the State government, much less that of the public-school system, our wealth destroyed, our labor system demoralized, our people confronted with the gravest social and political problems that ever confronted any people, that no longer than fourteen years ago our State was groaning under an indebtedness of more than \$30,000,000—more than one-third of all the taxable values, real and personal, owned by her citizens—when we remember that six years ago the State only appropriated \$130,000 direct from her treasury for public schools, we certainly have just cause for feeling that much progress has been made, and that, too, in the face of most formidable difficulties.

"But while much has been accomplished, still more remains to be done. The progress of the past should not only encourage us, but should stimulate us to renewed efforts to make the educational facilities of our State equal to the constantly increasing demands upon it. Illiteracy still abounds, a menace to the State and a blot upon our civilization."

#### CITIES AND SEPARATE DISTRICTS.

The improvement in city schools is one of the most hopeful signs of advance made in the Southern public-school system. The cities are becoming the educational centers, from which will radiate the influences tending to elevate the standard of all the schools of the State. In Alabama "marked progress," says the superintendent, "is being made in the educational facilities of our cities and towns. In this regard, as might be expected, Birmingham takes the lead. During the past year Powell School has been furnished with an elegant school building at a cost of some \$60,000. A training department for teachers has been added to the high school. Other elegant buildings are being arranged for.

"Selma is building a fine brick public-school building on the site of Dallas Academy, costing \$18,000. Eufaula, Tuscumbia, and New Decatur are each building \$10,000 public-school buildings. Tuscaloosa has just finished a \$20,000 building for her public schools. Gadsden has procured a good building for her public school, which is just organized and gives promise of fine work. And so the good work goes on. Others might be mentioned, and no doubt still others will be heard from next year."

### ARIZONA.

[From the Report of Governor Wolfley to the Secretary of the Interior, 1889.]

#### EDUCATION.

"The school system of Arizona is an excellent one, and is being liberally and fairly carried out. In every part of the Territory children are offered the advantage of free schools.

"The Territory has a Territorial university in process of construction, the portion for the school of mines being now nearly completed. There is also a Territorial normal school that has been established for several years and is doing well.

"Every town and county in the Territory is divided into school districts. The attendance is good, and the teachers employed are fully up to the average of teachers in Eastern public schools."

#### UNIVERSITY AND SCHOOL LANDS.

"There will be no time in the history of Arizona when these lands can be used with greater advantage for the objects desired and for the benefit of the Territory at large than the present. It is to be hoped that Congress will see fit to permit the Territory, under reasonable restrictions, to control these lands as large as the public surveys are extended over them and as they can be segregated from the public lands. Many of these sections are being now farmed by settlers without paying any revenue to the Territory. I think the right to lease and receive revenue in that way might safely be given."

## COLORADO.

## NEW LEGISLATION.

*School term.*—The minimum number of months the public schools are to be kept open has been increased from three to four.

*Arbor Day.*—The third Friday of April in each year is to be set apart as Arbor Day and to be a holiday in all public schools.

*Child labor.*—It is made unlawful for any person or corporation to employ any child under the age of fourteen years to labor during school hours, unless such child shall have attended some public or private day school where instruction was given by a teacher qualified to teach in the public schools of Colorado, or shall have been regularly instructed at home in such branches by some qualified person, at least twelve weeks in each year, eight of which at least shall be consecutive; and such child is to deliver to his employer a certificate to that effect signed by the teacher. Any person or corporation infringing this law is to be deemed guilty of a misdemeanor, and fined not less than twenty-five nor more than fifty dollars.

*Compulsory attendance.*—Persons having control of children between the ages of six and fourteen are required to send them to a public school, or to a private school taught by a competent instructor, at least twelve weeks in each year, at least eight of which shall be consecutive, unless such children are excused by board of school district on account of unfit bodily or mental condition. It is made the duty of school boards to furnish, at the charge of the school fund, necessary clothing for school children, if parents or guardians are unable to do so. Children may be taught at home in such branches as are usually taught in the public schools, subject to the same examination as public-school pupils. The law does not apply in case there is no school taught within two miles by the nearest traveled road.

Any person failing to comply with the provisions of the law shall upon conviction be deemed guilty of a misdemeanor and fined not less than five nor more than twenty-five dollars for each offense.

School directors are to inquire into all cases of neglect to send children to school, and ascertain from the person neglecting the reason therefor, and proceed immediately to secure the prosecution of any offense under the law. Any director neglecting to secure such prosecution within ten days after a written notice has been served on him by any taxpayer in his district, unless the person complained of shall be excused for any of the reasons above stated, shall be deemed guilty of a misdemeanor and fined not less than ten nor more than fifty dollars.

## CONNECTICUT.

[From Report for 1888-89 of Charles D. Hine, Secretary of the State Board of Education.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Number of children 4 to 16 years of age enumerated.....	154,932	157,243	I.....2,311
Number of different pupils enrolled.....	126,055	127,089	I.....1,034
Number of children 4 to 16 years of age not attending any school.....	27,574	29,425	I.....1,851
Average attendance in winter.....	83,856	85,455	I.....1,599
Average attendance in summer.....	78,341	79,310	I.....969
Per cent. of enumerated children enrolled in schools.....	81.36	80.82	D......54
<b>SCHOOLS.</b>			
Whole number of schools.....	1,624	1,629	I......5
Average term of schools, in days.....	179.08	180.32	I.....1.24
Number of high schools.....	25	28	I......3
Number of graded schools.....	361	362	I......1
Number of evening schools.....	33	32	D......1
<b>TEACHERS.</b>			
Male teachers in winter.....	493	468	D.....25
Female teachers in winter.....	2,629	2,631	I......2
Male teachers in summer.....	327	331	I......4
Female teachers in summer.....	2,783	2,785	I......2
Teachers continued in the same schools.....	2,677	2,719	I......42
Teachers having no previous experience.....	898	378	D......20
Average monthly wages of male teachers.....	\$73.50	\$74.47	I.....\$.97
Average monthly wages of female teachers.....	\$38.52	\$39.31	I.....\$.79



## STATISTICAL SUMMARY—Continued.

	1887-88.	1888-89.	Increase or decrease.
<b>SCHOOLHOUSES AND LIBRARIES.</b>			
Number of schoolhouses built during the year.....	16	12	D..... 4
Whole number in the State .....	1,660	1,645	D.....15
Number reported in poor condition .....	141	139	D.....2
Number of schools having libraries.....	377	380	I.....3
Number of volumes in libraries.....	56,819	57,786	I.....967
Amount of library money paid to the districts .....	\$8,830	\$5,890	I.....\$2,060
<b>EXPENDITURES.</b>			
Teachers' wages.....	\$1,264,061	\$1,291,473	I.....\$27,412
Cost of superintendence.....	31,256	33,872	I..... 2,616
Building new schoolhouses .....	124,598	226,190	I.....101,592
Libraries and apparatus .....	11,334	15,331	I..... 3,997
Amount expended for other purposes .....	413,830	417,388	I..... 3,558
Whole amount expended .....	1,845,079	1,984,254	I.....139,175
<b>PRIVATE SCHOOLS.</b>			
Number reported .....	152	206	I.....54
Number of high-school grade .....	44	52	I.....8
Number of teachers in private schools.....	490	646	I.....156
Whole number of pupils in private schools.....	17,179	18,269	I.....1,090

## ENUMERATION AND ATTENDANCE.

Of the 157,243 children between 4 and 16 years of age enumerated in January, 1889, 127,089 are reported as attending public schools, 18,269 private schools, and 29,425 not attending school at all. The increase in the number of children attending private schools was slightly greater than the increase in the number attending public schools, and of course represented a much larger percentage of increase. Of the 27,335 not attending school, only 2,090 were between 8 and 14 years of age, the period of compulsory attendance. Many of those enrolled, however, attended very irregularly. This evil of irregularity is one of the most serious difficulties the schools have to encounter.

## EMPLOYMENT OF CHILDREN.

By recent enactments the employment of children between eight and fourteen years of age is prohibited in nearly all the leading industries except that of agriculture. Thus by removing from parents the temptation to keep their children from school in order that they may earn a few dollars in some manufacturing establishment at a great expense to their future welfare, the laws requiring attendance at school have been materially strengthened. If the children can not be made to contribute to the gain of parents, but must remain at home in idleness, there will no longer be any inducement to keep them from school. The principle is now acknowledged that parents must not be allowed to deprive their children of the education which has been so liberally and freely provided for them, in order that they may gratify their own wishes and inclinations. Those parents who have a due regard for the welfare and improvement of their children will not object to a law provided for their benefit; but when parents are willing to sacrifice their children's interests for the sake of gain, it is time for the authority of the law to intervene to prevent it.

## NEW BUILDINGS.

New school buildings have been erected in East Hartford, Glastonbury, New Haven, Cheshire, Naugatuck, Stonington, Bridgeport, Stamford, Torrington, Middletown, and Somers, at an expense of \$188,906. "The town of Windham has conveyed to the State a beautiful site of six acres in the borough of Willimantic. Very careful plans for a building have been made, and the basement walls are now built."

## EXAMINATION OF THE PUBLIC SCHOOLS.

The board of education has been carrying on for three years an investigation into the actual results of the public schools. Some of these results were published in the State Report for 1887-88, and attracted widespread attention, disclosing as they did a highly unsatisfactory condition of the primary schools in New London County. The results of

a more particular examination of the graded schools of the same county are contained in the present report; they do not substantially modify the conclusions already reached. Two sets of specimens of penmanship are reproduced in facsimile. They are the work of the pupils of two different schools in the same town, and illustrate most forcibly the difference between good and poor teaching. "The difference," says Mr. Hine, "is wholly in the teaching. In justice to the children it must be said that they are not at fault. They have learned all they could. What is the just verdict upon a system which admits such inefficiency, and upon school officers who knowingly, year after year, not only permit but promote such an imposition upon helpless children?"

"About two-thirds of the teachers have a high-school education, which is a larger proportion than in ungraded schools. This does not appear to make much difference in the quality of the teaching; certainly, at first, no distinct advantage is noticeable.

"The standard for teachers' certificates is generally higher. In a few cases, examinations were conducted with a view to requiring moderate qualifications. In no place, however, is any training or professional skill required as a requisite for teaching. There are districts where no substantial qualification is demanded. Young women without training and education are legally approved and installed in school. They teach as well as they can."

#### EXAMINATION OF TEACHERS.

The number of persons examined who had applied for State certificates was 347; the number of certificates granted was 52. Hitherto applicants have only been examined to ascertain if they possessed the necessary attainments, but hereafter they will also be examined on the principles and methods of teaching.

#### TOWN MANAGEMENT OF SCHOOLS.

In 1866 a bill was passed permitting towns to adopt the town system of management of schools. Twenty-two towns are now operating their schools under this system. At the last session of the general assembly a bill nearly identical with the former in its provisions, but *requiring* the schools to be managed under the town plan, was presented.

#### LOCAL SCHOOL FUNDS.

It is now difficult to ascertain the origin of these different funds, many of them having been granted during the eighteenth century, but it has been ascertained that many of them arose from gifts or bequests of benevolent persons. The whole amount of these funds is now \$282,451, and all the losses since 1800 do not amount to more than \$10,000, in striking contrast with the history of the town deposit fund. About \$175,000 of the whole amount was given before the year 1800, and since the public schools began to be wholly supported by taxation in 1872 very little has been given. Nearly all of it has been donated for the benefit of secondary schools. A large portion of the local school funds is held in Hartford and New Haven Counties—in the former \$118,220, in the latter \$66,055.

#### NEW LEGISLATION.

The general assembly of 1889 enacted the following:

*School term.*—Public schools must be maintained at least thirty-six weeks each year in districts having a school population of over fifty, and at least thirty weeks in others, under penalty of forfeiting State school moneys; but no school need be kept where the average attendance the previous year was less than eight.

*School libraries and apparatus.*—Any town may purchase books and apparatus for the public schools, and every town so purchasing is entitled to receive from the State treasurer \$5 for each 100 pupils or fraction thereof in each of its schools.

*State secretary.*—The secretary of the State board of education is made *ex officio* a member of the school committee of every town and district having a school in which teachers are appointed by the State board.

*Normal schools.*—Two free normal schools are established, to be maintained at an expense to the State of not exceeding \$40,000 in the aggregate per annum.

*Town management.*—Any town adopting town control must retain it five years, instead of two as heretofore, before a vote is taken on the question of abandoning it.



## DAKOTA.

[From Report of Territorial board of education for 1888-89, L. A. Rose superintendent.]

## GENERAL STATEMENT.

Dakota was never so prosperous in educational affairs as in her last year under a Territorial government. The large school system of the Territory has been carried on without any other means of support than that of direct taxation. Numerous private schools have also been established and carried on; the people of Dakota will rival even those of Ohio in the relative number of private schools they are maintaining.

It is anticipated that a marked improvement will take place in the schools when the State governments are put into operation, owing to the new impetus that will be given to education from the sale of the school lands and the passage of uniform school laws.

## SCHOOL LANDS.

The public schools of the two Dakotas will rest upon a much firmer basis from the fact that the lands donated by the General Government now become available for school purposes. The number of acres in these lands is 1,715,009, and the average value per acre is \$5.79, making the total value \$9,929,902. Some of the school lands are quite valuable, those in Yankton County being estimated at \$14.03 per acre, those in Cass at \$11.05, those in Clay at \$11, and those in Logan and Pembina at \$10.

## TEACHERS.

One of the greatest disadvantages that Dakota has labored under heretofore has been a lack of well qualified teachers, but since the establishment of two public normal schools, one at Madison and the other at Spearfish, and of several private normal schools, this want will soon disappear. Many experienced teachers from the East are also constantly increasing the number in Dakota.

## TOWNSHIP SYSTEM.

Another disadvantage has been a lack of uniformity in the school system; seventy-two counties operating their schools under the township plan, and sixteen under the district system. This has been a cause of much annoyance, but it is very probable that the township plan will soon be generally adopted.

## GRADED SCHOOLS OF THE CITIES.

The graded schools will compare favorably with the best in the East, and their success is manifested to some extent by the large per cent. of the school population enrolled.

"These schools are all supplied with elegant and commodious buildings, the cost of which ranges from \$6,000 to \$80,000. As a general thing they have a good supply of apparatus with which to carry on their work. The best trained teachers that can be found are employed to teach in these schools and good salaries are paid. These schools are now ready to take rank with the best of their kind in any of the States."

## STATISTICS.

The statistics for 1888-89, as given in the report of the board of education, bear so many internal evidences of unreliability resulting from incompleteness and typographical errors that they are not reproduced here. In the State tables (chapter XXII) the figures for 1887-88 are repeated.

## PROVISIONS RELATING TO EDUCATION IN THE CONSTITUTION OF NORTH DAKOTA.

## ARTICLE VIII.—Education.

A high degree of intelligence, patriotism, integrity, and morality on the part of every voter in a government by the people being necessary in order to insure the continuance of that government and the prosperity and happiness of the people, the legislative assembly shall make provision for the establishment and maintenance of a system of public schools which shall be open to all children of the State of North Dakota, and free from sectarian control. This legislative requirement shall be irrevocable without the consent of the United States and the people of North Dakota.

The legislative assembly shall provide at its first session after the adoption of this constitution for a uniform system of free public schools throughout the State, beginning with the primary and extending through all grades up to and including the normal and collegiate course.



In all schools instruction shall be given as far as practicable in those branches of knowledge that tend to impress upon the mind the vital importance of truthfulness, temperance, purity, public spirit, and respect for honest labor of every kind.

A superintendent of schools for each county shall be elected every two years, whose qualifications, duties, powers, and compensation shall be fixed by law.

The legislative assembly shall take such other steps as may be necessary to prevent illiteracy, secure a reasonable degree of uniformity in course of study, and to promote industrial, scientific, and agricultural improvement.

All colleges, universities, and other educational institutions for the support of which lands have been granted to this State, or which are supported by a public tax, shall remain under the absolute and exclusive control of the State. No money raised for the support of the public schools of the State shall be appropriated to or used for the support of any sectarian school.

#### ARTICLE XIX.—*Public Institutions.*

The following public institutions of the State are permanently located at the places hereinafter named, each to have the lands specifically granted to it by the United States in the act of Congress approved February 22, 1889, to be disposed of and used in such manner as the legislative assembly may prescribe, subject to the limitations provided in the article on school and public lands contained in this constitution:

First. The seat of government at the city of Bismarck, in the county of Burleigh.

Second. The State university and the school of mines at the city of Grand Forks, in the county of Grand Forks.

Third. The agricultural college at the city of Fargo, in the county of Cass.

Fourth. A State normal school at the city of Valley City, in the county of Barnes; and the legislative assembly in apportioning the grant of 80,000 acres of land for normal schools made in the act of Congress referred to, shall grant to the said normal school at Valley City as aforementioned, 50,000 acres, and said lands are hereby appropriated to said institution for that purpose.

Fifth. The deaf and dumb asylum at the city of Devils Lake, in the county of Ramsey.

Sixth. A State reform school at the city of Mandan, in the county of Morton.

Seventh. A State normal school at the city of Mayville, in the county of Traill; and the legislative assembly, in apportioning the grant of land made by Congress in the act aforesaid for State normal schools, shall assign 30,000 acres to the institution hereby located at Mayville, and said lands are hereby appropriated for said purpose.

Eighth. A State hospital for the insane, and an institution for the feeble-minded in connection therewith, at the city of Jamestown, in the county of Stutsman; and the legislative assembly shall appropriate 20,000 acres of the grant of land made by the act of Congress aforesaid for "other educational and charitable institutions" to the benefit and for the endowment of said institution.

The following named public institutions are hereby permanently located as hereinafter provided, each to have so much of the remaining grant of 175,000 acres of land made by the United States for "other educational and charitable institutions," as is allotted below, viz:

First. A soldiers' home, when located, or such other charitable institution as the legislative assembly may determine, at Lisbon, in the county of Ransom, with a grant of 40,000 acres of land.

Second. A blind asylum, or such other institution as the legislative assembly may determine, at such place in the county of Pembina as the qualified electors of said county may determine at an election to be held as prescribed by the legislative assembly, with a grant of 30,000 acres.

Third. An industrial school and school for manual training, or such other educational or charitable institution as the legislative assembly may provide, at the town of Ellendale, in the county of Dickey, with a grant of 40,000 acres.

Fourth. A school of forestry, or such other institution as the legislative assembly may determine, at such place in one of the counties of McHenry, Ward, Bottineau, or Rolette as the electors of said counties may determine by an election for that purpose, to be held as provided by the legislative assembly.

Fifth. A scientific school, or such other educational or charitable institution as the legislative assembly may prescribe, at the city of Wapeton, county of Richland, with a grant of 40,000 acres.

Provided that no other institution of a character similar to any one of those located by this article shall be established or maintained without a revision of this constitution.

#### PROVISIONS RELATING TO EDUCATION IN THE CONSTITUTION OF SOUTH DAKOTA.

#### ARTICLE VIII.—*Education and school lands.*

The stability of a republican form of government depending upon the morality and intelligence of the people, it shall be the duty of the legislature to establish and maintain a general and uniform system of public schools wherein tuition shall be without charge, and equally open to all, and to adopt all suitable means to secure to the people the advantages and opportunities of education.

All proceeds of the sale of public lands that have heretofore been or may hereafter be given by the United States for the use of public schools in the State; all such per centum as may be granted by the United States on the sales of public lands; the proceeds of all property that shall fall to the State by escheat; the proceeds of all gifts or donations to the State for public schools or not otherwise appropriated by the terms of the gift; and all property otherwise acquired for public schools, shall be and remain a perpetual fund for the maintenance of public schools in the State. It shall be deemed a trust fund held by the State. The principal shall forever remain inviolate, and may be increased, but shall never be diminished, and the State shall make good all losses thereof which may in any manner occur.

The interest and income of this fund, together with the net proceeds of all fines for violation of State laws and all other sums which may be added thereto by law, shall be faithfully used and applied each year for the benefit of the public schools of the State, and shall be for this purpose apportioned among and between all the several public school corporations of the State in proportion to the number of children in each, of school age, as may be fixed by law; and no part of the fund, either principal or interest, shall ever be diverted, even temporarily, from this purpose or used for any other purpose whatever than the maintenance of public schools for the equal benefit of all the people of the State. \* \* \*

The legislature shall make such provisions by general taxation, and by authorizing the school corporations to levy such additional taxes as with the income from the permanent school fund shall secure a thorough and efficient system of common schools throughout the State.

No appropriation of lands, money, or other property or credits to aid any sectarian school shall ever be made by the State or any county or municipality within the State, nor shall the State or any county or municipality within the State accept any grant, conveyance, gift, or bequest of lands, money, or other property to be used for sectarian purposes, and no sectarian instruction shall be allowed in any school or institution aided or supported by the State.

No teacher, State, county, township, or district school officer shall be interested in the sale, proceeds, or profits of any book, apparatus, or furniture used or to be used in any school in this State under such penalties as shall be provided by law.

#### ARTICLE XIV.—*State institutions.*

The charitable and penal institutions of the State of South Dakota shall consist of a penitentiary, insane hospital, a school for the deaf and dumb, a school for the blind, and a reform school.

The State institutions provided for in the preceding section shall be under the control of a State board of charities and corrections, under such rules and restrictions as the legislature shall provide; such board to consist of not to exceed five members, to be appointed by the governor and confirmed by the senate, and whose compensation shall be fixed by law.

The State university, the agricultural college, the normal schools, and all other educational institutions that may be sustained either wholly or in part by the State shall be under the control of a board of nine members, appointed by the governor and confirmed by the senate, to be designated the regents of education. They shall hold their office for six years, three retiring every second year. The regents, in connection with the faculty of each institution, shall fix the course of study in the same. The compensation of the regents shall be fixed by the legislature.

The regents shall appoint a board of five members for each institution under their control, to be designated the board of trustees. They shall hold office for five years, one member retiring annually. The trustees of each institution shall appoint the faculty of the same, and shall provide for the current management of the institution, but all appointments and removals must have the approval of the regents to be valid. The trustees of the several institutions shall receive no compensation for their services, but they shall be reimbursed for all expenses incurred in the discharge of their duties, upon presenting an itemized account of the same to the proper officer. Each board of trustees, at its first meeting, shall decide by lot the order in which its members shall retire from office.

The legislature shall provide that the science of mining and metallurgy be taught in at least one institution of learning under the patronage of the State.

### DISTRICT OF COLUMBIA.

[From Report for 1888-89 of the board of trustees.]

#### STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
White pupils enrolled.....	22,054	22,760	I .....706
Colored pupils enrolled.....	12,796	13,004	I .....208
Whole number.....	34,850	35,764	I .....914
Average daily attendance of white pupils.....	16,974	17,766	I .....792
Average daily attendance of colored pupils.....	9,538	9,853	I .....315
Total average daily attendance.....	26,512	27,619	I .....1,107
Whole number of teachers employed.....	654	680	I .....26
Teachers employed in Washington High School (white).....	30	33	I .....3
Average annual salary paid.....	\$846.64	\$866.51	I .....\$19.87
Cost of tuition per pupil (based on average enrollment).....	\$27.81	\$25.83	D .....\$1.98
Teachers employed in the colored high school.....	9	11	I .....2
Average annual salary paid.....	\$1,074.44	\$975.45	D .....\$98.99
Cost of tuition per pupil (based on average enrollment).....	\$33.69	\$32.12	D .....\$1.57
White teachers employed in grammar and primary schools.....	377	388	I .....11
Colored teachers employed in grammar and primary schools....	201	207	I .....6
Average annual salary paid the white teachers.....	\$651.26	\$653.62	I .....\$2.36
Average annual salary paid the colored teachers.....	\$583.31	\$580.12	D .....\$3.19

The reports of the board of trustees and superintendents show that the public schools of the District of Columbia are in an excellent condition; that, judging from the frequent expressions of approval and high commendation of their results and the interest manifested by the pupils in their work, they are meeting with great success. Any child of the District, from the time it is able to grasp the rudiments of an education, can enter a public school, where it will be placed under the instruction of a skillful teacher; it can pass from grade to grade, fully comprehending the studies of each without any unreasonable mental exertion, until at last the boy or girl graduates from the high school with a thorough English education and, perhaps, some knowledge of higher branches, and fully equipped for any of the ordinary avocations. Or, if he has been deprived of educational advantages in his childhood and is now required to support himself, he still finds the doors of the evening schools open to him, where he can spend an hour both profitably and pleasantly. The citizens of the District may justly take great pride in their educational facilities.



## ACCOMMODATIONS.

During the last three years much has been done by the erection and extension of buildings to accommodate the number of pupils attending; so that, while 12,089 out of the 32,336 pupils attending school three years ago were limited to half-day sessions, during the year under review only 6,000 out of 35,764 pupils were limited to half-day sessions. If these extensions shall be continued a year or two longer, provision will then have been made for all the pupils, and thereafter it will only be necessary to provide for the ordinary increase.

The building now used for the colored high school is inconveniently situated for the pupils attending it, and is needed for pupils of lower grades in the immediate neighborhood.

Although an additional building containing twelve class rooms, an armory, a library, and laboratories, has just been erected for the Washington High School, there has been so great an increase in the number of pupils that additional room is still needed. The enrollment in 1888-89 was 1,107, but in the session of 1890 there have already been enrolled 1,400 pupils, and it is probable that in 1890-91 the number will reach 1,600. This is a larger number than can be accommodated or conveniently supervised, and it is therefore suggested that one of two courses be adopted—that the first grade in the high school be relegated to the grammar schools and be made to constitute a ninth grade, or, else, that two new high-school buildings be erected, one on Capitol Hill, the other in Georgetown. The first method could be adopted as a temporary expedient, but the second is the only one that can permanently remove the difficulty. This would also place a high school within the reach of a large number of pupils who are now under the necessity of walking a long distance or of paying street-car fares. In either case much time is lost.

## TEACHERS' SALARIES.

One of the most urgent needs to be supplied is an increase in the salaries of teachers, especially of the high-school teachers. Not only do they deserve higher salaries, but it is found that they can not otherwise be retained. With a few exceptions, all of the accomplished teachers employed in the Washington High School four years ago have resigned in order to accept more lucrative positions. Nearly all of these teachers are leading graduates of such institutions as Dartmouth College, Johns Hopkins University, Amherst, Vassar, Cornell, Wellesley, and the Columbian University, and after an experience of one or two years they can easily command a higher salary than the present restrictions permit. It is true that the average salary paid teachers here is equal to that paid in other cities, but there are conditions existing here which are not found there. In other cities there are manufacturing and other enterprises which call for the work of the larger boys and girls, consequently they are withdrawn from the schools. But here nearly all of the pupils continue through the fifth grade, and about two-thirds of them continue through the entire course. A great many children here are sent to private schools for two or three years and then enter the public schools. For these reasons we find the proportion of pupils in the higher grades here much larger than in other cities. Consequently the average salary should be larger.

## EVENING SCHOOLS.

These schools had a larger attendance than ever before and many of those who formerly attended showed their appreciation of and interest in them by returning again. These schools furnish educational opportunities to many boys and girls who labor during the day, and also to many adults. The course of studies should be enlarged and some forms of manual training, such as cooking and sewing, should be included.

## MANUAL TRAINING.

The introduction of manual training into the schools has proved eminently satisfactory; it has not only not retarded the progress of the pupils but has seemed to give them increased interest in their studies. Many useful lessons were given in cooking and sewing, and the general report is that the parents heartily indorse it and the pupils enjoy a change from the regular routine. In the Washington High School 200 pupils in the first and second year classes, who had not taken cooking lessons the year before, received instruction.

## FREE TEXT-BOOKS.

Text-books are loaned to pupils whose parents declare their inability to purchase them, but there are many parents who dislike to make such a statement, although they



could truthfully do so. It often occurs, too, that children are withdrawn from school when they reach the higher grades on account of the expense of text-books. For these and other reasons it is thought best that free text-books be furnished to the pupils; the expense after the first year would probably be less than one dollar per pupil.

#### SCHOOL DAY.

It is suggested that the school day of the primary schools be extended to four and one-half hours, closing at 3 p. m. This is particularly desirable in the suburban schools, where many of the children in the primary grades are quite large.

#### SUPERVISION.

The supervisors of the schools are intelligent and capable and are diligent in their work, but on account of the large number of schools they must supervise, and the number is continually increasing, it is impossible for them to give the close and careful attention which each school deserves. The number of supervisors is much smaller in proportion than the number employed in other cities. At least two additional supervisors are needed at present.

### FLORIDA.

[From Report for 1888-89 of State Superintendent Albert J. Russell.]

#### STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
Number of white schools.....	1,536	1,691	I.....155
Number of colored schools.....	512	598	I.....86
Whole number of schools.....	2,048	2,289	I.....241
Number of white children enrolled.....	49,713	53,417	I.....3,699
Number of colored children enrolled.....	32,605	32,591	D.....14
Whole number enrolled.....	82,323	85,008	I.....2,685
Whole number in average daily attendance.....	56,539	63,652	I.....7,122
Whole number of teachers.....	2,413	2,593	I.....180
Amount received for schools from local taxes.....	\$377,233	\$387,000	I.....\$9,762
Amount received from common school fund.....	32,064	37,000	I.....4,936
Amount received from State taxes.....	74,808	76,000	I.....1,192

The people of Florida are to be congratulated upon the excellent school facilities with which they are now provided; all the children of the State, both white and colored, are within easy access of a school, and high schools are being established in every county, so that boys and girls who complete the course of the ordinary common schools may continue their education still further. The people are taking great interest in the schools and appreciate the advantages derived from them. All of the public school funds, except \$37,000 derived from the proceeds of lands, are raised by taxation. New school-houses, well planned with regard to light and ventilation, are being constructed wherever needed and provided with the most improved furniture. The school officers, although not experienced teachers in all cases, are good business men, energetic and faithful, and ever on the alert to improve their schools.

#### COUNTY HIGH SCHOOLS.

It is the aim at present to organize and operate in every county one free high school at the county site or some more suitable place, and when the counties shall have increased in wealth and population other high schools may be established. Several of the most enterprising counties have already established such high schools and they are giving great satisfaction. These schools are designed to fit their pupils for business pursuits or for entrance into colleges.

#### INDUSTRIAL TRAINING.

The State board of education, being convinced of the importance of this subject, in 1886 called the attention of county superintendents and boards of instruction to the importance of giving boys in the public schools some lessons in the handling and use of tools, and of instructing girls in cooking, sewing, etc. One difficulty encountered is the scarcity of teachers capable of giving such instruction. It is now taught, however, in the agricultural and normal colleges, and in several of the city schools.

## REFORM SCHOOL.

The attention of the legislature was called to the importance of establishing a reform school where vagrant and vicious boys and girls might be taken in charge and educated. At present, when a boy at school is found to be ungovernable he is dismissed, and thus the probabilities are that he will grow still worse. Such a school should be separated from the evil influences of city life, and the pupils should not only be instructed in the ordinary branches of an education, but they should be taught different trades, so that they would afterwards be enabled to lead honorable lives.

## ARBOR DAY.

The 14th day of February was appointed as Arbor Day, and the county superintendents were instructed to see that the day was properly observed. The number of schools observing the day was 476, the number of pupils participating 13,468, and the number of trees planted was 5,353. Oaks, cedars, magnolias, hickories, and fruit trees were planted, and, in addition, many church premises and cemeteries were cleaned up.

NOTE.—We quote the following from a letter of a superintendent of schools in Florida: "We have about 200 pupils in the \_\_\_\_\_ schools, with no State or county funds from which to obtain *anything but advice and teachers' salaries*, the school buildings and seats, which cost \$6,000, being the gift of private citizens."

## IDAHO.

[From Special Report for 1888-89 of Superintendent Charles C. Stevenson.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Boys of school age (5-21).....	10,290	12,386	I.....2,096
Girls of school age (5-21).....	9,704	11,685	I.....1,981
Whole number of school age.....	19,994	24,071	I.....4,077
Whole number of pupils enrolled.....	10,433	12,678	I.....2,245
<b>SCHOOLS, HOUSES, AND LIBRARIES.</b>			
Number of schools.....	365	434	I.....69
Number of schoolhouses.....	254	294	I.....40
Number of libraries.....	12	21	I.....9
Volumes in libraries.....	1,797	2,211	I.....414
Average duration of schools in months.....	4	5.5	I.....1.5
<b>TEACHERS.</b>			
Number of men teaching.....		159	.....
Number of women teaching.....		275	.....
Average monthly wages of teachers.....		\$49	.....
<b>RECEIPTS AND EXPENDITURES.</b>			
Amount received for school purposes.....	\$153,513	\$198,782	I....\$40,269
Amount expended for school purposes.....	129,980	160,580	I.....30,600

## MORMONS AS PUBLIC SCHOOL TEACHERS.

During the year the question arose whether Mormons were legally qualified to teach school. Superintendent Stevenson decided that "inasmuch as the law declared that no certificate should be granted to any person who is not known to be a law-abiding citizen and of good moral character it was the duty of the county superintendent to reject any applicant who failed in the above particular, notwithstanding the fact that the applicant had passed a satisfactory examination; that all persons who indulged in practices prohibited by law or who belong to or aid, support, or assist in the support of or encourage any order, organization, or association that teaches such practices so prohibited by law, or who teach, counsel, or advise any person to belong to such an order or organization, were not law-abiding citizens within the meaning of the law, and could not be allowed to teach in the public schools or draw public money."

## DISTURBANCES.

"In the southern counties, commonly known as the Mormon counties, there is a decided opposition to the public school system manifested by members of the organization known as 'The Church of Jesus Christ of Latter-Day Saints,' or Mormons.



"This sect, dominating the souls, minds, and actions of its devotees, has used and is still using its influence against the successful operation of the school laws. Many Mormons refuse to send their children to school unless the teacher is of the same faith. Every Mormon from childhood up is a teacher, compelled to teach their peculiar doctrines to all who will listen, especially to those under him. This being the case, it is no wonder that 'Gentiles' refuse to allow their children to be placed under such influences. Thus the public school is between two fires, but is gradually getting out. The strong hand of the law is too powerful for such a state of affairs to last long, and soon the cause of free education will shed its light in the dark paths of intolerance and priestcraft. The school offices are gradually getting into the control of the 'Gentiles,' and the result in each district is an awakening of educational interest.

"An act was passed at the last session of the legislature compelling all who withdrew from such an organization to declare their intentions before the clerk of the district court, and they can not vote until two years have elapsed thereafter. This is made applicable to all elections."

#### SCHOOLHOUSES.

"During the school year ending August 31, 1889, it has been very gratifying to observe the awakened interest regarding the building of new and commodious schoolhouses. As will be seen in an accompanying table, there has been an increase of thirty-five schoolhouses, and they for the most part have been erected on sites the title of which is vested in the district. There seems to be a growing desire for the districts to own the realty. A great many districts have erected their schoolhouses on Government land, from which they can be and are often moved at the whim of the board of trustees. When, however, the district owns the land the building is anchored, so to speak, and the grounds become the subject of ornamentation and decoration. Thousands of trees were planted with interesting ceremonies on Arbor Day, which in a few years will beautify and adorn these temples of education."

"In some counties there is a decided opposition to the public schools, unless they are in control of the religious denomination which is most numerous. Many schoolhouses are erected by popular subscriptions, and are used alike for school and religious purposes. In many districts the buildings are owned by religious organizations and are rented by the district. In Bear Lake County twelve out of the fifteen districts rent buildings from the peculiar sect there prevalent and dominating. Five are thus rented in Oneida County. Under such circumstances the power of the church is thrown against the erection of public schoolhouses, and the course of public education is trampled under the foot of religious fanaticism."

"Probably the most substantial and beautiful educational structure in Idaho is situated at Boise City, being the property of an independent district. Hailey and Bellevue are not far behind. Lewiston and Moscow possess large three-story frame buildings, endowed with all of the latest improvements. Beautiful and creditable schoolhouses have been erected at Caldwell, Shoshone, Idaho City, Ketchum, Pocatello, Blackfoot, Eagle Rock, Salmon City, Genesee, and Albion. Elegant buildings are under process of construction at Rathdrum, Weiser City, and other points. Many districts are adding the latest globes, physiological and historical charts, geographical maps, dictionaries, and other appliances."

#### INDEPENDENT DISTRICTS.

A general law for the establishment of independent school districts has been "enacted by the legislature, with a view of providing better educational facilities for special localities. Any school district which has within its limits taxable property of the amount of \$200,000 or over may be organized into an independent school district. It then has power to sue and be sued, to have a corporate seal, to hold and convey such real and personal property only as is needed for actual school purposes, and to choose such officers as are provided by law. The board of trustees have complete control within the powers delegated to them by law."

Two districts have been already organized under this law in addition to Boise City and Lewiston, which had previously been organized under special enactments.

#### SCHOOL LANDS.

The lands reserved for the support of the public schools amount to 970,240 acres. These lands will not become available until Idaho is admitted as a State into the Union.

#### WOMEN AS COUNTY SUPERINTENDENTS.

An act approved January 25, 1889, provides that no person elected to the office of county superintendent shall be disqualified from holding such office on account of sex.



## IOWA.

[From Report for 1887-88 and 1888-89 of State Superintendent Henry Sabin.]

## STATISTICAL STATEMENT.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Population 5 to 21 years of age.....	639,248	649,606	I.....10,358
Enrolled in public schools.....	477,184	489,229	I.....12,045
Total average attendance.....	291,070	304,856	I.....13,786
Average cost of tuition per month.....	\$1.83	\$1.79	D.....\$.04
<b>SCHOOLS AND SCHOOLHOUSES.</b>			
Number of ungraded schools.....	12,065	12,088	I.....23
Number of graded schools.....	3,400	3,523	I.....123
Average duration of schools in months.....	7.7	7.7	
Number of schoolhouses.....	12,752	12,879	I.....127
<b>TEACHERS.</b>			
Men engaged in teaching.....	5,595	5,432	D.....163
Women engaged in teaching.....	19,518	20,361	I.....843
Average monthly salary of men.....	\$36.44	\$37.52	I.....\$1.08
Average monthly salary of women.....	30.05	30.37	I......32
<b>EXPENDITURES.</b>			
Teachers' salaries.....	\$4,107,102	\$4,197,165	I.....\$90,063
Schoolhouses, grounds, libraries, and apparatus.....	1,251,198	1,582,777	I.....331,579
Fuel and other contingent expenses.....	1,048,269	1,068,186	I.....19,917
Total expenditures.....	6,406,569	6,848,128	I.....441,559

a Include payments on bonded indebtedness.

## TEMPERANCE INSTRUCTION.

Reports from every county in the State indicate that there is a very general desire to administer the law faithfully. Considering the difficulties naturally arising when a new branch is introduced into the course of study, the progress made is very encouraging. The attention the subject received last year in institutes greatly assisted teachers in their work. Much more will be accomplished during the coming year.

The superintendent recommends a law making it a misdemeanor, punishable by a heavy fine, to sell tobacco in any form to a minor under sixteen years of age.

## NUMBER OF CHILDREN NOT ATTENDING SCHOOL.

In response to a resolution of the general assembly the following information regarding the number of children between 8 and 16 years not attending school in city independent districts was furnished by the State superintendent:

Total number of children between the ages of 8 and 16.....	96,392
Number at work in stores, shops, and factories.....	6,740
Number not in a school of any kind.....	13,077

It is true that in some instances the results have been estimated, but they are sufficient to determine the fact that in all the cities there is a large number of children who are not in attendance upon any school. This number would undoubtedly be greatly increased if made to include those who have not been in attendance at school for twelve consecutive weeks during the past year.

As a result, the enactment of a stringent compulsory attendance law is recommended, regulating also the employment at labor of children of school age.

## THE TOWNSHIP SYSTEM.

The adoption of the township system of organization is strongly urged. It is remarked that if the people of the State could be made to understand how much time, and money, and strength is wasted in carrying the present complex system into effect, and how much the efficiency of the schools could be increased by the adoption of the civil township as the unit, they would demand that the legislature take immediate steps toward accomplishing that result.

The reports for 1889 show that the money which is paid out for school purposes must pass through the hands of about 4,650 school-district treasurers; that the orders upon which it is paid out must be drawn and signed by 4,650 secretaries, and that they must also be signed by an equal number of presidents of boards of directors. Thus, under the present system, it requires some part of the time of about 13,950 different persons before the money reaches those to whom it is due. It is a fair estimate that, including officers, directors, and subdirectors, it requires over 25,000 persons to manage school affairs.

## ENUMERATION AND APPORTIONMENT.

It is recommended that the enumeration of school children be made every alternate year instead of annually; also that the apportionment of school moneys be made upon the basis of average attendance instead of school population; the money would thus reach those schools in which there is the most work to be done on account of the large number of pupils. In fact such an enactment, together with one providing for free textbooks, would doubtless increase the attendance and act as a very efficient auxiliary to a compulsory law.

## KENTUCKY.

[From Report of State Superintendent Jos. Desha Pickett for 1887-89.]

## STATISTICAL SUMMARY.

	White.			Colored.		
	1887-88.	1888-89.	Increase or decrease.	1887-88.	1888-89.	Increase or decrease.
School districts .....	6,638	6,699	I.....61	1,011	1,029	I.....18
Districts in which schools were taught five months or more.....	5,329	5,424	I.....95	774	760	D .....14
Districts in which schools were not taught.....	20	20	0	25	30	I.....5
Children of 6 to 20 years.....	549,727	555,809	I.... 6,082	107,170	109,158	I.....1,988
Highest number of children attending school.....	288,024	288,460	I.....436	42,811	42,526	D .....285
Average number of children attending school.....	192,594	193,721	I.....1,127	28,455	28,833	I.....378
Male teachers.....	3,959	3,910	D .....49	615	593	D .....17
Female teachers.....	3,599	3,781	I.....182	544	602	I.....58
Whole number of teachers.....	7,558	7,691	I.....133	1,159	1,200	I.....41
Average monthly wages of teachers:						
In counties.....	\$31.21	\$32.76	I.....\$1.55	\$34.87	\$37.82	I.....\$2.95
In graded common schools, males.....	131.51	126.11	D .... 5.39	59.85	67.35	I.....7.50
In graded common schools, females.....	48.21	48.22	I......01	42.69	42.77	I......07
Average compensation of county superintendents .....	454.61	531.06	I.....76.45			
Teachers not having had previous experience.....	1,149	1,163	I.....14	153	161	I.....8
Schoolhouses:						
Log .....	2,861	2,718	D .....143	335	345	I.....10
Frame.....	3,361	3,594	I.....233	386	443	I.....57
Brick.....	163	175	I.....12	20	21	I.....1
Stone.....	7	6	D .....1	0	0	0
Total.....	6,392	6,493	I.....101	741	809	I.....68
Total value of school property.....	\$2,068,605	\$3,226,564	I.....\$257,959	\$265,337	\$257,027	I.....\$21,690
Schoolhouses built during the year.....	378	382	I.....4	32	24	D .....8
Value of same .....	\$169,103	\$140,466	D .....\$28,637	\$32,845	\$20,512	D .....\$12,333
Private schools.....	526	491	D .....35	7	17	I.....10
Private academies or high schools.....	72	91	I.....19	3	2	D .....1
Colleges.....	48	51	I.....3	1	1	0
Universities.....	4	4	0	0	0	0
Amount apportioned by the State.....	\$1,044,481	\$1,139,408	I.....\$94,927	\$203,623	\$223,774	I.....\$20,151
State per capita.....	1.90	2.05	I......15	1.90	2.05	I......15
Amount raised by district taxation, subscription, etc.....	553,835	672,563	I.....118,727	22,646	39,228	I.....16,582
Average per capita from same .....	1.01	1.20	I......19	.21	.36	I......15
Interest on county bond and surplus distributed.....	26,656	22,582	D ....4,074	0	5,222	I.....5,222
Average per capita from same .....	.04	.04	0	0	.04	I......04
Paid for permanent improvements (sites, buildings, repairing, and furnishing).....	242,211	283,447	I.....41,236	36,400	37,662	I.....1,262
Paid for teachers' salaries .....	1,319,081	1,410,441	I.....91,360	223,511	248,584	I.....25,073

a State per capita for 1889-90, \$2.15; 1890-91, \$2.25.

## LOUISIANA.

[From the Biennial Report of State Superintendent Jos. A. Breaux for the years 1888 and 1889.]

## STATISTICAL SUMMARY.

	1888.	1889.	Increase or decrease.
<b>SCHOOLS.</b>			
Number of schools in the State:			
White .....	1,380	1,535	I.....155
Colored .....	729	741	I.....12
Length of school term, in months:			
White .....	4.75	5.50	I......75
Colored .....	4.55	4.72	I......17
<b>PUPILS.</b>			
Number of pupils enrolled:			
White .....	72,568	84,456	I.....11,888
Colored .....	49,276	48,137	D.....1,139
Total .....	121,844	132,593	I.....10,749
Average attendance:			
White .....	51,343	54,222	I.....2,879
Colored .....	35,643	37,844	I.....2,201
Total .....	86,986	92,066	I.....5,080
<b>TEACHERS.</b>			
Number of white teachers:			
Male .....	660	716	I.....56
Female .....	1,135	1,203	I.....68
Number of colored teachers:			
Male .....	509	515	I.....6
Female .....	231	236	I.....5
Average monthly salary:			
White males .....	\$34.09	\$36.31	I.....\$2.22
White females .....	31.20	32.16	I......96
Colored males .....	28.37	29.85	I.....1.48
Colored females .....	27.67	26.53	D.....1.14
<b>PRIVATE SCHOOLS.</b>			
Number of private schools:			
White .....	192	364	I.....172
Colored .....	15	42	I.....27
Teachers:			
White .....	276	429	I.....153
Colored .....	16	50	I.....34
Pupils:			
White .....	6,293	7,625	I.....1,332
Colored .....	539	1,613	I.....1,074
<b>FINANCES.</b>			
Paid to teachers .....	\$472,330	\$522,914	I.....\$50,584
Building schoolhouses .....	4,690	4,704	I.....14
Total expenditure .....	547,843	704,586	I.....156,743

## THE NEW STATE BOARD.

Act 81, to regulate public education in Louisiana, was duly promulgated in 1888. This act was summarized in the Bureau's Report for 1887-88.

In accordance with the requirements of its first section a State board of education was appointed by the Governor, consisting of one member from each Congressional district—"a decided improvement on the former method of organization of the board of education. In each district there is a representative gentleman who takes an active interest in common schools and in general education." In addition to these there are three *ex-officio* members—the Governor, the State superintendent, and the attorney-general.

## TEXT-BOOKS.

In compliance with section 3 of the school law, the State board of education adopted a list of books to be used in the public schools. Contracts were entered into with publishing houses, stipulations being made to have the books sold at certain specified prices.



"The retail prices are as low as the retail prices of schoolbooks in any State of the Union. The prices are stamped on the books." The publishers contract to give a discount of 16½ per cent. to dealers generally throughout the State, and an additional discount of 10 per cent. to not less than six depositories who supply the local dealers.

"So far, the scheme to secure uniformity in the use of books at reduced prices has proven satisfactory to those upon whom devolve the expenses of purchasing them."

#### PARISH BOARDS.

At its second meeting the State board appointed the members of the several parish boards.

"It is made one of the duties of the parish board of directors to report to the State board of education all negligence on the part of school officials. No such report has been made. The inference is reasonable that there was no serious neglect of duty or delinquency, and that those which may have occurred were remedied by the board wherever they existed without the necessity of reporting to the State board.

#### TOO MANY SCHOOLS.

The parish boards are vested with the authority of dividing their respective parishes into school districts. The State superintendent recommends the districts to be made as large as can be done consistently with the convenience of the pupils. "It is preferable that children should walk some distance and that they be given the opportunity of attending schools a longer time annually than that they should have a large number of poor schools in close proximity during a limited time. At times boards have yielded to the urgent and commendable zeal of patrons and have opened a larger number of schools than could be maintained a sufficient number of months to make them useful."

### MAINE.

[From Report for 1888-89 of State Superintendent N. A. Luce.]

	1887-88.	1888-89.	Increase or decrease.
POPULATION AND ATTENDANCE.			
Population between 4 and 21 years of age.....	211,980	212,064	I.....84
Number of different pupils enrolled.....	144,180	143,113	D.....1,067
Average daily attendance per term for year.....	100,121	98,641	D.....1,480
Per cent. of school population enrolled.....	68	67	D.....1
Per cent. of school population in average daily attendance.....	47.0	46.5	D......5
Average duration of schools in days.....	112.0	111.5	D......5
Aggregate number of weeks for year.....	109,335	109,417	I.....82
SCHOOLS AND SCHOOLHOUSES.			
Whole number of schools.....	4,793	4,847	I.....54
Number of graded schools.....	919	953	I.....34
Number of schoolhouses.....	4,337	4,364	I.....27
Number built during year.....	77	75	D.....2
Cost of houses built during year.....	\$133,761	\$163,650	I.....\$29,889
Estimated value of school property.....	3,328,743	3,481,835	I.....153,092
TEACHERS AND SALARIES.			
Number of different teachers employed.....	7,598	7,549	D.....49
Men teaching in spring and summer terms.....	269	279	I.....10
Men teaching in fall and winter terms.....	1,565	1,518	D.....47
Women teaching in spring and summer terms.....	4,643	4,674	I.....31
Women teaching in fall and winter terms.....	3,840	4,016	I.....176
Number of teachers having previous experience.....	6,366	6,393	I.....27
Number having no previous experience.....	1,232	1,156	D.....76
Number who were graduates of normal schools.....	658	687	I.....29
Average monthly salary of men teaching.....	\$34.36	\$35.22	I.....\$0.86
Average monthly salary of women teaching.....	16.92	17.24	I......32
EXPENDITURES.			
Paid for current purposes.....	\$1,071,850	\$1,089,280	I.....\$17,430
Total expenditures.....	1,238,898	1,287,948	I.....49,050

## ATTENDANCE.

The number of different pupils enrolled was smaller by 1,067 than in the previous year. During each year of the preceding decade there was a decrease in the number of pupils; the entire decrease during that time being 8,835. This constant loss is attributable in part to the parochial schools which have been established in many places. It is estimated that 2,500 pupils attend parochial schools in Lewiston, Auburn, Biddeford, Saco, Waterville, Calais, and Westbrook. But another cause of the decrease is the establishment of numerous high schools throughout the State.

## CHARACTER OF SCHOOLS.

During the seven years in which statistics have been collected showing the grades of the schools there was a decrease of 106 in the whole number of different schools, but an increase of 184 in the number of graded schools. This indicates a marked tendency to consolidate small schools into a few well-conducted ones.

There was an increase of six in the number of ungraded schools teaching history, and of seventy-two in the number teaching bookkeeping; but there was a considerable decrease in the number teaching physiology and hygiene.

## TEACHERS.

The number of male teachers employed constantly diminishes, while the number of female teachers increases. The decrease in the aggregate number of terms taught by men during the last ten years was 867; the increase in the number of terms taught by women was 1,814. A larger number of experienced teachers and of graduates of normal schools was employed, and the salaries of teachers were slightly higher; it is presumable, therefore, that more successful work was accomplished.

## SCHOOL DISTRICTS AND SCHOOLHOUSES.

Seven more towns have discarded the district system and adopted the town system instead; but one town, St. Albans, after having tried the town plan for three years, has returned to the district system.

Although 75 new schoolhouses were built during the year, there was an increase of only 5 in the number reported as in good condition. In the preceding ten years 680 new schoolhouses were built, 579 of which took the places of old ones, and yet the number in good condition increased only 189. It seems, therefore, that some of the school buildings do not receive the care and attention which should be given them.

## FREE TEXT-BOOKS.

The most important enactment made in many years in regard to educational matters was that of the recent legislature requiring that after August 1, 1890, towns shall furnish all pupils of the public schools with text-books at public expense. The funds necessary for this purpose shall be raised in the same manner as other public moneys. School committees shall select a uniform series of text-books, and shall contract with the publishers for the purchase and delivery of the same. No text-book thus introduced shall be changed in five years unless by a vote of the town; any person violating this provision shall forfeit five hundred dollars, to be recovered in an action of debt by any school officer or person aggrieved. School committees shall make such rules and regulations, not repugnant to law, as they deem proper for the distribution and preserving of school books and appliances furnished pupils at the expense of the town.

"When a pupil in a public school loses, destroys, or unnecessarily injures any such schoolbook or appliance his parent or guardian shall be notified, and if the loss or damage is not made good to the satisfaction of such committee within a reasonable time they shall report the case to the assessors, who shall include in the next town tax of the delinquent parent or guardian the value of the book or appliance so lost, destroyed, or injured, to be assessed and collected as other town taxes."

Superintendent Luce advises the school committees to make no changes in the books used, except for very strong reasons, and that the books now in possession of pupils, when in good condition and of the kind selected, be bought up and made a part of the town supply, and that the prices at which future supplies of books are to be furnished be determined in the contracts made with publishers. The requirement that books shall be uniform does not prevent the use of two or more series of readers.



All books, before being distributed, shall be labeled and numbered, and at the close of the school term they shall be returned, unless special permission to keep them during vacation has been obtained.

#### HIGH SCHOOLS.

These schools are meeting with marked success and are evidently affording a grade of instruction for which there is a very general demand.

In 1880 high schools were supported in 88 towns and were attended by 6,215 pupils. In 1888-89 they were supported in 204 towns and were attended by 14,900 pupils. Of the 28 new towns in which high schools were established, in 22 they were established by town action and in 6 by district action; this indicates that a much larger territory has been provided with high-school privileges.

The cost of these schools was about \$9.40 per pupil for the year. The high schools are proving to be of much advantage to the lower grades of the common schools by furnishing them with well-trained teachers and by relieving them of the work of instructing a few scholars in the higher branches.

#### RECOMMENDATIONS.

Superintendent Luce makes the following recommendations:

1. "That school committees and supervisors, in carrying into effect the free text-book law, study (1) to secure the best book at the least expense, making the fewest practicable changes, and utilizing by purchase or otherwise, so far as practicable, books owned by pupils; (2) to hold teachers and pupils to sharp and strict accountability for careful usage and prompt return of books owned by the town; and (3) to so systematize the distribution and return of them by keeping proper records that the exact condition and location of every such book may be easily determined at the end of every term."

2. That they strictly enforce the laws for compulsory attendance.

3. That they scrupulously guard against the admission of unfit teachers and endeavor to retain successful teachers.

4. That in towns having abolished the district system regular courses of study be adopted for the ungraded schools, from which pupils may be graduated in like manner as from graded schools.

5. That they encourage the abolition of the district system and the establishment of high schools.

6. That they urge teachers to attend educational meetings, and that they themselves take part in such meetings.

7. That they advise young teachers who show a natural aptitude for their work to take a professional course at a normal school.

8. "That, in short, they seek to elevate the public schools of their town by vigilant, earnest, persistent, and aggressive action as leaders in all educational reforms."

#### NEW LEGISLATION.

*Free text-books.*—Towns shall furnish pupils of the public schools with free text-books.

*High schools.*—"The course of study in the free high schools shall embrace the ordinary English academic studies, especially the natural sciences in their application to mechanics, manufactures, and agriculture; but the ancient or modern languages and music shall not be taught therein except by direction of the superintending school committees having supervision thereof."

Any town may authorize its superintending school committee to contract with the trustees of any academy or high school for the tuition of scholars resident within such town; and the expenditures of any town for such purpose shall be subject to the same conditions and shall entitle such town to the same State aid as if it had made such expenditure for a free high school.

*Plantations have same powers as towns.*—Plantations have the same powers and liabilities as towns for the formation of districts, collecting school moneys, etc.

*Evening schools authorized.*—Cities and towns may raise and appropriate money for the support of evening schools, in which only the elementary branches shall be taught, but pupils of any age shall be admitted.

*School law to be published biennially.*—The State superintendent is required "biennially, as soon as practicable after the adjournment of the legislature, to compile and have printed in pamphlet form three thousand copies of the amended school law of the State and distribute the same to the municipal and school officers of the several towns."



## MARYLAND.

[From Report for 1888-89 of State Superintendent M. A. Newell.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>ATTENDANCE.</b>			
Number of different pupils:			
Counties.....	122,377	119,554	D.....2,823
Baltimore City.....	54,210	59,906	I.....5,696
Total.....	176,587	179,460	I.....2,873
Number in average attendance:			
Counties.....	61,007	61,328	I.....321
Baltimore City.....	33,969	37,892	I.....3,923
Total.....	94,976	99,220	I.....4,244
<b>SCHOOLS.</b>			
Number in counties.....	2,031	2,060	I.....29
Number in Baltimore City.....	128	140	I.....12
Duration of schools, in months:			
Counties.....	8.8	8.9	I......1
Baltimore City.....	10.0	10.0	I......0
Average.....	9.2	9.3	I......1
<b>TEACHERS AND SALARIES.</b>			
Men teaching in counties.....	1,040	972	D.....68
Women teaching in counties.....	1,621	1,633	I.....12
Men teaching in Baltimore City.....	98	112	I.....14
Women teaching in Baltimore City.....	909	1,011	I.....102
Whole number.....	3,668	3,728	I.....60
Average yearly salary:			
In counties.....	\$272	\$277	I.....\$5
In Baltimore City.....	587	585	D.....2
<b>EXPENDITURES.</b>			
Teachers' salaries:			
In counties.....	\$740,171	721,888	D...\$18,283
In cities.....	604,334	667,614	I.....63,280
Salaries of superintendents.....	42,889	40,973	D.....1,916
Books and stationery:			
In counties.....	49,585	48,576	D.....1,009
In city.....	40,304	38,987	D.....1,317
Building, repairing, and furnishing schoolhouses:			
Counties.....	97,089	105,511	I.....8,422
Baltimore City.....	66,464	85,412	I.....18,948
Other expenses.....	142,045	143,805	I.....1,760
Total expenditure.....	1,782,881	1,852,766	I.....69,885

The report of the State superintendent shows that during the year 1888-89 there was no material change made in the school system of Maryland; no marked advance movement, and no step backward; there was the ordinary and natural increase in the number of schools and teachers which was required by the normal growth in enrollment and average attendance. In fact, the schools and school system of Maryland have reached such a point of development that no radical change is desirable, and we find that in fifteen years no change of importance has been made in the school law. "Maryland is blessed in having many examiners of long experience—one from the beginning of the system in 1865, several from its reorganization in 1868, and only a very few of less than six years' standing."

The teachers, as a whole, are intelligent and earnest in their work, and endeavor in many ways to render themselves capable instructors. This is shown by their almost universal attendance on the teachers' institutes and by the formation of reading circles, from which great improvement is derived.

The recommendation of the State superintendent that the few remaining county academies be made a part of the public-school system is heartily indorsed by the board of Frederick County. This board established high-school departments in the public school at Middletown and in the female school at Frederick City. These departments are well patronized and highly appreciated by those who have children to educate, and many requests are received by the board for the extension of such facilities for higher education.

## MASSACHUSETTS.

[From Report for 1888-89 of Hon. John W. Dickinson, secretary of the State board of education.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
POPULATION AND ATTENDANCE.			
Number of children between 5 and 15 years of age.....	359,504	367,785	I.....8,281
Number of children of all ages enrolled.....	358,000	363,166	I.....5,166
Average membership of pupils in all the public schools.....	293,941	299,537	I.....5,596
Average attendance in all the public schools.....	264,723	270,851	I.....6,128
Per cent. of attendance based upon average membership.....	90	90	I.....
Number of pupils under 5 years of age.....	1,178	1,130	D.....48
Number of pupils over 15 years of age.....	29,543	30,753	I.....1,215
Average duration of schools in months.....	8 $\frac{1}{2}$	8 $\frac{1}{2}$	I.....
TEACHERS AND SALARIES.			
Number of men employed.....	1,010	901	D.....109
Number of women employed.....	8,887	9,222	I.....335
Whole number of teachers.....	9,897	10,123	I.....226
Number of teachers necessary to supply schools.....	8,559	8,753	I.....194
Number of teachers who had attended normal schools.....	3,246	3,373	I.....127
Number of teachers who had graduated from normal schools.....	2,677	2,689	I.....12
Average monthly wages of men teaching.....	\$119.34	\$108.88	D.....\$10.46
Average monthly wages of women teaching.....	44.88	45.93	I.....1.05
HIGH SCHOOLS.			
Number of high schools.....	230	236	I.....6
Number of teachers in high schools.....	737	756	I.....19
Number of pupils in high schools.....	22,785	24,139	I.....1,354
EVENING SCHOOLS.			
Number of evening schools.....	214	240	I.....26
Number of teachers.....	919	876	D.....43
Whole number of pupils.....	24,725	23,632	D.....1,093
Average attendance.....	12,823	12,598	D.....225
FINANCIAL STATEMENT.			
Amount raised by taxation for teachers' wages, fuel, care of fires and school rooms.....	\$5,114,402	\$5,366,605	I...\$252,203
Amount expended for—			
Supervision.....	209,758	214,097	I.....4,339
New schoolhouses.....	545,393	614,509	I.....69,116
Alterations and repairs.....	607,615	692,820	I.....85,205
Whole amount expended upon the public schools.....	7,057,206	7,510,719	I...423,513

## ATTENDANCE.

The compulsory school laws require all children in the State between 8 and 14 years of age to attend some public day school or some private school approved by the school committee for at least 20 weeks during each year.

The number of children in the State between 5 and 15 years of age May 1, 1888, was 367,785; the number of children of all ages attending the public schools during the year was 363,166, an increase of 5,166 over the previous year, but still not equal to the population 5 to 15 years of age. This can readily be accounted for to some extent. Many children, for various reasons, do not enter the public schools until they are 7 or 8 years of age; others leave them at 14 to learn some trade or to earn a livelihood. Again, 53,663 pupils were reported as attending private schools or academies.

The per cent. of attendance based upon average membership was 90; in 18 towns it was above 95, in 15 it fell below 80. In the towns having these low averages there was probably much negligence on the part of both parents and school officers.

The law requires all the schools to be kept for six months and high schools for ten months. Four towns have failed to keep their schools for six months and fifteen others barely reached the limit.

## TEACHERS.

The whole number of teachers employed was 10,123, more than nine-tenths of them being women. The number of men teaching has been constantly diminishing for ten



years, while the number of women teaching has as constantly increased. In the cities and larger towns the tenure of the teachers' position is becoming more permanent, but in the poorer towns changes are constantly occurring.

The proportion of teachers who have attended the State normal schools has greatly increased, and we may consequently infer that better work was done. The normal graduates also furnish many valuable lessons to other teachers around them and to many of their own pupils, who afterward become teachers and adopt the methods with which they have become acquainted.

#### HIGH SCHOOLS.

The number of high schools in the State is 236, and 90 per cent. of the people now have high-school privileges in their own towns. That these schools are highly appreciated is manifested by the fact that high schools are maintained by a large number of towns not required by law to do so.

#### EVENING SCHOOLS.

The number of evening schools maintained was 240, a larger number than in the previous year, but the average attendance was smaller. The attendance in these schools was very unsatisfactory, many persons attending a few evenings and then dropping out.

#### EXPENDITURES.

The expenditures for school purposes are increasing from year to year, and the ratio of increase is slightly larger than the ratio of increase of school population or of school attendance. As the standard of teaching is being made higher, the salaries of teachers must also be higher. Better buildings are now required, and they must be better heated and ventilated. The sum of \$22,118.33 was expended for the transportation of children in preference to sending them to small and poorly conducted schools.

#### SUPERVISION.

The school committees have long felt that they could not give to the schools that degree of attention and superintendence which they deserve, and in the cities special officers have been provided for this purpose. To aid the smaller towns in securing supervision the legislature of 1888 passed the following act:

"SECTION 1. Any two or more towns, the valuation of each of which does not exceed two million five hundred thousand dollars, and the aggregate number of schools in all of which is not more than fifty nor less than thirty, may, by vote of the several towns, unite for the purpose of the employment of a superintendent of schools under the provisions of this act.

"SEC. 2. When such a union has been effected the school committees of the towns comprising the union shall form a joint committee, and for the purposes of this act said joint committee shall be held to be the agents of each town comprising the union. \* \* \* They shall choose by ballot a superintendent of schools, determine the relative amount of service to be performed by him in each town, fix his salary, and apportion the amount thereof to be paid by the several towns, and certify such amount to the treasurer of each town."

The act further provides that whenever such union shall have raised by taxation \$750 for the support of a superintendent of schools a warrant may be drawn upon the treasurer of the State for \$1,000, one-half of which amount shall be paid for the salary of the superintendent and the other half for the salaries of teachers.

Sixteen union districts have been formed under this provision, and so far the plan gives great satisfaction. Some fear was entertained at first that it would excite jealousy between the districts, but such has not been the result. The principal difficulty encountered has been that some towns have not been able to find others in their vicinity with which they could unite.

Many advantages arise from the employment of school superintendents. The supervision of the schools, especially of the smaller and poorer schools is more uniform and intelligent; the needs of the schools are more promptly supplied; there is more system, better organization and classification; teachers are selected with greater care; there is greater economy in the purchase and use of supplies, and school property is better cared for.

The powers and duties of the superintendents are essentially the same as those of the school committees whose places they are mainly intended to supply, and whose approval they are expected to secure. They should endeavor to ascertain by examinations and



observation which candidates are most likely to prove successful teachers, and should recommend such to school committees for election. They should see that the courses of study are wisely arranged, and that the methods of imparting instruction are such as have proven satisfactory. The individual teachers, however, should be allowed full freedom in adopting new plans and experiments for giving increased interest to their exercises. The selection of text-books should be left by the school committee to the judgment of the superintendent and teachers who have used them in the class room. The superintendents should endeavor, as far as possible, to have schoolhouses properly located, conveniently arranged, well ventilated and lighted. They should endeavor in different ways to infuse into the people an interest in educational matters so that a full attendance of the school population may be secured.

#### TRUANT SCHOOLS.

The law requires all towns to provide for the confinement and instruction of truant children; but, as the number of truant in individual towns would frequently be small, it is provided that county truant schools may be established, to which the different towns may send their truant. In four counties, namely, Hampden, Berkshire, Hampshire, and Norfolk, truant schools have been established. All the towns of the State should immediately provide for a faithful compliance with this law.

#### PHYSICAL TRAINING.

New impetus has been given to the importance of physical training of pupils by the recent discussions on this subject. Physical health and vigor are essential to full activity of the mind, as well as to a full measure of happiness and success in life. Every pupil leaving a public school should possess both mental and physical vigor, *mens sana in corpore sano*.

#### PRIVATE SCHOOLS.

The number of private schools reported is 396, an increase for the year of 48. Although the statistics of private schools are very imperfect, it is well known that the ratio of increase of attendance on private schools is much larger than the ratio of increase of public school attendance. It is to be regretted that recent events have brought about this condition of affairs, for the public schools being supported and controlled by the State, they are presumably better prepared to furnish a broad and liberal education. This condition of affairs does not call for restrictive legislation, however, but must be met by improving the public schools so that all citizens will prefer to have their children attend them.

### MICHIGAN.

[From Report for 1888-89 of State Superintendent Joseph Estabrook.]

#### STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Population 5 to 20 years of age in graded school districts.....	318,941	329,184	I.....10,243
Population 5 to 20 years of age in ungraded school districts.....	310,982	310,885	D.....97
Whole number between 5 and 20 years of age.....	629,923	640,069	I.....10,146
Enrollment in graded schools.....	197,802	201,087	I.....3,285
Enrollment in ungraded schools.....	227,416	222,517	D.....4,899
Whole number enrolled.....	425,218	423,604	D.....1,614
Percentage of attendance in graded schools.....	62.0	61.0	D.....1.0
Percentage of attendance in ungraded schools.....	73.1	71.5	D.....1.6
Percentage for the State.....	67.5	66.2	D.....1.3
Average duration of graded schools in months.....	9.5	9.4	D......1
Average duration of ungraded schools in months.....	7.5	7.6	I......1
Average for the State.....	7.6	7.7	I......1
<b>SCHOOLHOUSES.</b>			
Number of frame schoolhouses.....	5,759	5,796	I.....37
Number of brick schoolhouses.....	1,156	1,199	I.....43
Number of stone schoolhouses.....	71	71	I.....0
Number of log schoolhouses.....	442	427	D.....15
Whole number.....	7,428	7,493	I.....65

## STATISTICAL SUMMARY—Continued.

	1887-88.	1888-89.	Increase or decrease.
<b>TEACHERS AND SALARIES.</b>			
Number of teachers necessary to supply graded schools.....	3,769	4,017	I.....248
Number of teachers necessary to supply ungraded schools.....	6,614	6,620	I.....6
Whole number necessary.....	10,383	10,637	I.....254
Number licensed without previous experience in teaching.....	2,053	2,399	I.....346
Number of men employed as teachers in graded schools.....	657	681	I.....24
Number of men employed as teachers in ungraded schools.....	3,116	3,000	D.....116
Whole number of men employed.....	3,773	3,681	D.....92
Number of women employed as teachers in graded schools.....	3,301	3,520	I.....216
Number of women employed as teachers in ungraded schools.....	8,686	8,874	I.....188
Whole number of women employed.....	11,990	12,394	I.....404
Average monthly wages of male teachers in graded schools.....	\$77.66	\$77.35	D.....\$0.31
Average monthly wages of male teachers in ungraded schools.....	32.91	32.95	I......04
Average monthly wages of male teachers in all schools.....	45.67	46.31	I......64
Average monthly wages of female teachers in graded schools.....	39.99	40.65	I......66
Average monthly wages of female teachers in ungraded schools.....	24.41	25.01	I......60
Average monthly wages of female teachers in all schools.....	31.57	32.32	I......75
<b>SCHOOL LIBRARIES.</b>			
Whole number of school libraries.....	1,688	1,610	D.....78
Number of volumes in all the libraries.....	439,977	464,582	I.....24,605
Amount of taxes voted for township libraries.....	\$3,662	\$4,701	I.....\$1,039
Amount received from county treasurers for township libraries.....	23,124	28,304	I.....5,180
Amount paid for support of township libraries.....	16,016	14,876	D.....1,140
Amount paid for support of district libraries.....	57,900	69,502	I.....11,602
<b>PRIVATE SCHOOLS.</b>			
Number of private and select schools reported.....	294	312	I.....18
Number of men teaching in them.....	266	277	I.....11
Number of women teaching in them.....	475	422	D.....52
Estimated number of pupils.....	31,073	34,164	I.....3,091
<b>EXPENDITURES.</b>			
Amount paid male teachers ..	\$926,482	\$929,721	I.....\$3,239
Amount paid female teachers ..	2,146,175	2,263,814	I.....117,639
Amount paid for buildings and repairs ..	805,132	641,661	D.....163,471
Amount paid for other purposes ..	1,044,351	1,117,327	I.....72,976
Whole amount expended.....	4,922,140	4,952,524	I.....30,384

## ATTENDANCE.

Since 1880 there has been a small but almost constant annual decrease in the number of children attending the public schools as compared with the number of children in the State. This decrease amounted during the ten years to 5.4 per cent. Not only so, but in the year 1889 there was a decrease of 1,614 in the public school enrollment, although there was an increase of 10,146 in the number of children in the State. This decrease is still more remarkable when it is considered that a compulsory attendance law was passed in 1883, and in 1885 an act for reformatory education of refractory youths. The decrease in the per cent. of census children attending schools during the different years is here shown:

Year.	Per cent.	Increase or decrease.
1880 .....	71.6	I.....
1881 .....	71.7	I......1
1882 .....	71.5	D......2
1883 .....	69.8	D.....1.7
1884 .....	70.1	I......3
1885 .....	69.2	D......9
1886 .....	69	D......2
1887 .....	69.6	I......6
1888 .....	67.5	D.....2.1
1889 .....	66.2	D.....1.3

No satisfactory explanation can yet be given for this constant decrease, and sufficient information has not been obtained with respect to private schools to determine how far these may account for it.



## FREE TEXT-BOOKS.

The legislature passed an act requiring the district board of each school district to "post in a conspicuous place, at least ten days prior to the first annual school meeting from and after the passage of this act, a notice that those qualified to vote upon the question of raising money in said district shall vote at such annual meeting to authorize said district board to purchase and provide free text-books for the use of the pupils in said district. If a majority of all the as-above-provided voters present at such meeting shall authorize said board to raise by tax a sum sufficient to comply with the provisions of this act, the said district board shall make a list of such books," and shall notify the State superintendent of the action of such meeting. Accordingly, at their next annual meeting 520 districts made provision for free text-books.

## SCHOOL LAW.

Besides the act with reference to free text-books, an act was passed requiring the supervisors of townships in which a fractional district is situated to include the proportion of the mill tax to be placed on their respective assessment rolls.

An effort was made to secure the adoption of township school districts, but failed.

A new edition of the general school laws, including a digest of the supreme court decisions, was published during the year.

## TEACHERS.

The whole number of teachers necessary to supply all the schools was 10,637. The graded schools employed 4,201, only 184 more than was necessary to supply them, but the ungraded schools employed 11,874, or 5,254 more than were necessary. It is seen, therefore, that on an average nearly every ungraded school employed two teachers during the year.

Of the 15,979 persons applying for county certificates 206 received first-grade certificates, 554 second grade, and 10,361 third-grade certificates. This indicates that there is great need of thoroughly competent and experienced teachers. Too many of the teachers have engaged in the work only as a temporary business, and they are therefore lacking both in the necessary qualifications and in the desire to qualify themselves. Again, teachers have no strong inducement to enter upon the work as a permanent profession, for they can secure no definite tenure of position. The teacher's position is too often bestowed as a reward for personal or political favors instead of to the one most competent to discharge its duties.

Although only 22 per cent. of the teachers are males, their relative number is constantly decreasing. In 1889 the number of men teaching was 92 less than in the previous year and 253 less than in 1886. On the contrary the number of women teaching was 312 greater than in the previous year.

## STATE CERTIFICATES.

According to the public acts of 1889 the State board of education shall issue life certificates to all persons who have taught for two years in the schools of the State and who shall upon examination be found to possess eminent scholarship, ability, and good moral character. Under the previous regulations for granting State certificates only forty-three persons had secured them during ten years, but since they have been made valid for life it is probable that they will be in greater demand.

## SCHOOLHOUSES AND THEIR SURROUNDINGS.

The estimated value of the public-school property is \$13,386,637, the amount expended during 1889 for buildings and repairs being \$641,661. Notwithstanding the large amounts spent upon school buildings, less than one-third of them are reported as properly heated and ventilated. This is attributable in large part to the tendency so prevalent a few years ago of erecting buildings of abnormal height and showy exterior appearance, but having little regard to the comfort and well-being of the pupils. In the rural districts very little regard is had for the proper lighting and ventilation of school-houses, consequently when one part of the schoolroom is uncomfortably warm the other part is cold; but in the plans of city school buildings special attention is now given to these aims.

Upon the subject of outbuildings Superintendent Estabrook uses the following words: "I feel constrained in this connection to refer to a condition of affairs that is far too prevalent, and for the continuance of which the district officers can justly be held re-



sponsible. I allude to the shameful condition of the outbuildings attached to the school-houses in many districts. Frequently but one building is provided for both sexes, and the boys and girls use it indiscriminately. Or, what is scarcely less disgraceful, the buildings are placed in close proximity to each other without any permanent barrier between them. The effect of such a state of affairs upon the moral tone of the pupils and the terrible results that are likely to follow are too patent, to any one whose sense of decency is not entirely lost, to need even a statement. That they are allowed to exist is a sad commentary on the moral tone of a community, and implies at least a criminal negligence on the part of those school officers who permit it."

## EDUCATIONAL FUNDS.

"The money derived from the sale of school lands and from escheats to the State constitute the primary school fund proper, and bear 7 per cent. interest. The moneys derived from the sale of swamp lands donated by Congress constitute the primary school 5-per-cent. fund.

"The interest derived from each of these funds, together with the surplus of specific taxes remaining in the State treasury after paying the interest on the several educational funds and the interest and principal of the State debt, forms the primary school interest fund, the entire amount of which that may be on hand at the time is apportioned to the school districts of the State semiannually, between the 1st and 10th days of May and November in each year."

The primary school 7-per-cent. fund amounted, June 30, 1889, to \$3,722,286, and the primary school 5-per-cent. fund amounted to \$807,391.

## MISSISSIPPI.

[From Report for 1887-88 and 1888-89 of State Superintendent J. E. Preston.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
POPULATION AND ATTENDANCE.			
White population between 5 and 21 years of age .....	196,247	191,792	D.....4,455
Colored population between 5 and 21 years of age.....	268,100	272,682	I.....4,582
Total population between 5 and 21 years of age .....	464,347	464,474	I.....127
Whole number of pupils enrolled.....	310,119	319,711	I.....9,592
Average daily attendance.....	184,018	193,119	I.....9,101
Average duration of schools, in days .....	84	85	I.....1
TEACHERS AND SALARIES.			
Number of white teachers employed.....	3,835	4,018	I.....183
Number of colored teachers employed.....	2,871	3,097	I.....226
Whole number of teachers .....	6,706	7,115	I.....409
Average monthly salary of—			
White male teachers.....	\$38.59	\$38.77	I.....\$0.18
White female teachers .....	31.25	32.09	I......84
Colored male teachers .....	25.54	26.83	I.....1.29
Colored female teachers.....	21.27	20.48	D......79
PRIVATE SCHOOLS.			
Private schools for white children .....	288	403	I.....120
Private schools for colored children .....	79	80	I.....1
EXPENDITURES.			
Salaries of teachers .....	\$873,443	\$930,669	I.....\$57,226
Salaries of superintendents.....	32,824	33,307	I.....483
Total expenditures .....	962,263	1,115,808	I.....153,545

## GENERAL STATEMENT.

That the year 1888-89 witnessed a great improvement in the educational progress of Mississippi is evident from several considerations. In the first place there were 919 more schools, and the number of children sharing in the benefits of them was greater

by 51,213 than in the previous year. The average daily attendance was greater by 23,562, or 15 per cent., and the average length of the school term was one day longer. During the last two years twelve cities and towns erected school buildings, at a total cost of \$190,000. "In 66 counties the collections exceeded the disbursements by \$191,300, while practically only 8 counties exceeded their collections, incurring a debt in all of about \$15,000." More than 800 country schoolhouses were built, at a cost of \$116,951. There was an increase of 1,018 in the number of first-grade teachers, and it is therefore presumable that better work was accomplished.

#### SCHOOLHOUSES.

According to the enactments of the legislature the attorney-general and State superintendent of education were required to distribute the 2 and 3 per cent. fund received from the sales of Government land whenever the fund exceeded \$15,000. The distribution was made in December, 1888, the amount distributed being \$73,429.05. In order that as much as possible might be accomplished by means of the fund, the State superintendent issued a circular advising supervisors in the different counties to distribute the fund to those districts that would supplement it in some way, by appropriating unused balances of the common-school fund, by raising certain amounts, or otherwise. These suggestions were followed in many counties, and in nine months from the time of the distribution 475 new schoolhouses had been erected, and others were in the course of construction. In some counties the fund was prorated to the different districts, and little good was accomplished by it, while in others it was unlawfully applied to the payment of teachers' warrants. In Monroe County the fund was supplemented by an appropriation of \$2,000, and forty-one new schoolhouses were erected, at a cost of from \$200 to \$700 each, and others were repaired and furnished with stoves and blackboards.

#### SCHOOL CENSUS.

There are great discrepancies between the returns made by the auditors as to the number of children of school age and those made by the county superintendents. As a consequence there are no reliable data upon which a distribution of State funds can be made.

#### SIXTEENTH SECTIONS.

"Mississippi received from the United States in sixteenth sections 661,000 acres. In lieu of sixteenth sections in Chickasaw cession, 174,550 acres." The leasing of these lands was variously intrusted to boards of police, county school directors, county school commissioners, and boards of supervisors. They have nearly all been leased for ninety-nine years and the notes and revenues squandered. A satisfactory report of the fund of Warren County, however, was made in 1889 by the county treasurer. The sixteenth sections of the Yazoo Delta, which has lately been found to possess valuable resources, are still unleased, and should be saved to the State by appropriate legislation. The supervisors should be prohibited from leasing these lands for longer periods than eight years, and the rents should be invested in bonds and only the interest allowed to be used.

#### UNIFORM EXAMINATIONS.

The law of 1836 requiring uniform teachers' examinations throughout the State, although it met with strong opposition, has been found an eminently wise one. That it has not prevented competent teachers from passing the examinations successfully is evidenced by the fact that 1,018 persons received first-grade certificates.

While admitting that many of the most intelligent and faithful county superintendents advocate annual examinations of teachers, Superintendent Preston thinks that, in order to stimulate teachers to thoroughly qualify themselves for their work, certificates should be granted under certain conditions for a longer time than one year. He would have an annual examination of all holders of second and third grade certificates. All first-grade teachers who made an average of 85 per cent. should be licensed for two years and those who made an average of 90 per cent. for three years. Any person who received a three years' license a second time should be entitled to teach in that county without any further examination. State licenses should also be granted to those who passed a special examination showing themselves possessed of broad scholarship and successful experience as teachers.



## SUPERVISION.

It is claimed by very many that county superintendents are useless factors in the school system and that the money paid them could be better devoted to the payment of teachers' salaries. In those counties where the superintendents are incompetent or neglect the faithful discharge of their duties they are in reality useless appendages, but nothing can contribute more to the improvement and successful operation of the public schools than intelligent and faithful supervision. The excellence of the schools in cities and towns is attributable to careful supervision more than to anything else. Competent superintendents can not be had, however, unless they are adequately paid, and in many of the counties the salaries paid are entirely too low to secure good men.

Superintendent Preston thinks that the law enacted in 1888, making the office of county superintendent an elective one, was a great mistake, and that it will subject the person chosen to improper influence in the granting of licenses and fixing teachers' salaries.

## HIGH SCHOOLS.

Besides the graded schools of the cities and towns, there were reported 150 high schools, normal schools, and denominational colleges. Some of these enrolled from 250 to 400 students. Many of them were supported in part by the public funds, and gave free tuition during the public term. The success of these schools affords evidence of an appreciation by the people of higher education, as well as evidence of increased material prosperity.

## SEPARATE SCHOOL DISTRICTS.

"Following the policy and practice of other States, Mississippi has from the beginning of her free-school system allowed her towns and cities to become separate school districts.

"In the first public school law, enacted in 1870, the privilege was granted to towns having 5,000 population; in 1873, by amendment, to towns having 2,000; by the code of 1880, to towns having 1,000; by the revised law of 1886, to towns having 750.

"Many of our towns have special laws granting them full local control of their schools and power to levy a tax in support thereof. This legislation was demanded by their peculiar conditions, and is in exact accord with the universal practice of the other States of the Union.

"Educational progress and activity are to-day most prominent in our separate school districts. Thirty-five towns are maintaining their schools from seven to ten months each year, their average school levy being four mills, and some of them levying as high as seven and one-half mills."

The State distributes \$390,000 to the counties for school purposes. About two-thirds of this arises from liquor licenses, fines, and forfeitures; the other \$100,000 is given from the general State fund. The funds distributed by the State would only maintain the school about one-third of the required term of four months; each county must maintain its own schools for the other two-thirds of the term. In this way the State seeks to equalize the burden of taxation and to encourage local support of the schools. Upon the same principle the separate school districts are allowed to retain their local levies, for while they pay about one-third of the whole State fund, they only receive about \$23,000 from it. Besides, "reports from seventeen towns show an enrollment of 1,401 country pupils. Estimating the other eighteen towns at 1,000, we find the separate school districts carrying 2,400 country pupils, or 12½ per cent. of their entire attendance.

"The counties pay the tuition of these pupils for four or five months, and the towns let them continue in the schools the rest of the session absolutely free of charge."

## NEW TEXT-BOOK LAW—COUNTY UNIFORMITY.

A law approved February 22, 1890, provides for a uniform series of text-books in each county, to be selected by county boards of seven teachers each, and not to be changed for five years.



## MISSOURI.

[From Report for 1888-89 of State Superintendent W. E. Coleman.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
POPULATION AND ATTENDANCE.			
White youth of school age (6 to 20) .....	804,973	816,886	I.....11,908
Colored youth of school age (6 to 20) .....	47,452	48,478	I.....1,026
Whole number of school age .....	852,430	865,364	I.....12,934
White youth in public schools .....	577,335	579,373	I.....2,038
Colored youth in public schools .....	33,215	32,168	D.....1,047
Whole number enrolled .....	610,550	611,541	I.....991
Total number of days' attendance by all pupils. ....	45,999,832	53,266,590	I.....7,266,708
Average number of pupils attending each day .....	377,592	376,977	D.....615
Average number of days' attendance by each pupil .....	67	66	D.....1
SCHOOLS.			
Number of schools for white pupils .....	9,272	9,178	D.....94
Number of schools for colored pupils .....	547	509	D.....36
Whole number of schools .....	9,819	9,687	D.....132
Whole number of schoolrooms .....	11,919	12,204	I.....285
Seating capacity of all schoolrooms .....	649,262	672,284	I.....23,022
TEACHERS.			
Number of men employed .....	7,118	6,195	D.....923
Number of women employed .....	6,559	7,439	I.....880
Whole number of teachers .....	13,677	13,634	D.....43
ARBOR DAY.			
Districts observing arbor day .....	490	610	I.....120
Number of trees planted .....	9,736	9,334	D.....402
EXPENDITURES.			
Teachers' salaries .....	\$3,185,237	\$3,220,264	I.....\$35,027
Sites, buildings, furniture, and apparatus .....	412,940	340,573	D.....72,367
Repairs and rents .....	165,098	168,788	I.....3,690
Libraries .....	22,863	16,447	D.....6,416
District clerks .....	96,042	60,136	D.....35,906
Incidentals .....	637,206	746,255	I.....109,049
For all purposes excepting bonded indebtedness .....	4,519,386	4,552,463	I.....33,077

The general condition of the schools was better than it has ever been, more and better teachers were employed, and they were paid better salaries. The financial condition of the schools, too, was excellent. The settlements of the clerks and treasurers show that at the close of the year nineteen out of every twenty districts had paid all indebtedness and had a balance on hand. All schools hereafter will have a term of at least six months. The citizens of the State may well congratulate themselves upon the excellent condition of the schools, for it is a well-recognized fact that the social and material welfare of a State depends, to a large extent, upon the education of its people.

## CRITICISMS OF THE PUBLIC SCHOOLS.

There are many persons who are continually urging objections to the public schools. They allege that the public schools are Godless, that the Bible is not used in them, that the public schools are responsible for the increase of crime, and that they develop in the children indifference, profligacy, and unsteadiness of character. Before considering the objections of such persons it is well to ascertain whether these are the *real* causes of complaint, whether such persons would favor the public schools if these objections were removed, or whether, on the contrary, they have brought forward these objections because they dare not disclose the true ones. "What do they mean by Godless schools? Nothing more nor less than this, their peculiar ideas and notions of religion are not sanctioned, espoused, and taught. They want the Bible introduced and used as a text-book; but what Bible? Introduce it, which can not be done without violating the constitution of our State, and these same parties will be the first to find fault, for they will soon see that this is a two-edged blade that cuts in both directions, for and against their preconceived views and notions."

But it is asserted that the public schools are responsible for the large number of criminals. Where is the proof of such a charge? Although the public schools draw large numbers of pupils from the poor, the vicious, and the ignorant, the classes most likely to furnish criminals, and who are debarred from entering private schools, we find very few criminals who have attended the public schools long enough to secure a good education. If enrolled at all, they probably attended only a short time, their attendance was irregular, and they were already so vicious that they properly belonged to the reform schools. But even if it be granted that many of the criminals were educated in the public schools, is it probable that they would otherwise not have been criminals? The censors of the public schools say nothing of the hosts of tradesmen, mechanics, laborers, teachers, lawyers, ministers, and statesmen who were educated in the public schools, and many of whom received there the impulse which resulted in their success.

#### SCHOOL TERM.

Hereafter the minimum length of the school term of each district shall be six months instead of four, provided a tax of 40 cents on each \$100 of assessed valuation, together with the public funds, will be sufficient to maintain the schools for six months. Districts can not now rely entirely upon the public funds, but the boards of directors are authorized to make out a tax of four mills on the dollar without any vote of the people. As the school terms will now be longer, it will be possible to secure a better grade of teachers.

#### WHAT SHOULD BE TAUGHT.

"The law should fully set out the subjects to be taught in all the public schools of the State, and empower the board and the teacher to require each pupil to pursue the same until completed, and higher branches should be admitted only 'by order of the board' or by a vote of the people. Boys are well advanced in arithmetic who know nothing about grammar; girls apply themselves to grammar, but do not want to study arithmetic and United States history. The result is, there is no gradation in the school, and education—in such school—simply means a partial knowledge of two or three textbooks.

"The law on teaching the evil effects of alcoholic stimulants and narcotics upon the human system is a farce and fraud. It is virtually a prohibition against temperance instruction in the public schools. And strange as it may appear, those who claim to favor proper legislation upon this subject favored this measure, while they rejoiced over the defeat of senate bill No. 52, which required such instruction in all the schools of the State. The law as it stands is worthless, and should be repealed or amended."

#### LANGUAGE OF THE SCHOOLS.

"The law should specify definitely in what language the instruction in our public schools is to be given. It is a shame and a disgrace to American institutions to have the English language ruled out of our public schools and German substituted, as is done wholly or in part in many districts in this State. The average legislator appears to quake when this matter is brought up for consideration. Right and justice are forgotten or smothered, for the sake of the German vote. No reasonable argument can be adduced why German should be taught in any primary schools. Representatives and senators admit that German can be put out of a public school by an injunction served upon the board; but why shall a citizen be compelled to resort to the courts to secure that which should be provided by legislative enactment? Men have said to me, 'You should not agitate this question; it is impolitic to inaugurate a fight along that line.' My purpose in bringing this matter to the attention of the public, and before our legislature, is that justice may be administered to the citizen, and the children be taught to speak, read, and write the English language. The same spirit that deprives the children of any community of the benefits of instruction in the English language would, if it dare, subvert the very foundations of this Government and subject our children to a thralldom and tyranny as despotic as that from which many of these innovators emigrated, only to try to bind the shackles upon others that they themselves could not endure.

"This is not a fight against Germans, but against the introduction of the German language into our primary schools. This wrong will not much longer be tolerated; it should not be, for where it now is practiced there is an alarming state of affairs; law is disregarded, our institutions derided, and all that is held sacred ruthlessly trodden under foot; and nothing else can be expected of such a community."



## SECTARIANISM.

"Your attention is again called to the fact that in many localities in this State that provision of our constitution which prohibits the use of public funds to build up and foster sectarianism is violated with high-handed recklessness. Here again, allow me to speak plainly; it is not my purpose to conceal my true meaning; all the trouble from this quarter has arisen in Catholic communities, where they have control. In such communities the tenets of the church and the study of the catechism are made part of the daily instruction in the public school; and in more than one community the priest openly dictates who shall and who shall not teach the public school of such community. The State constitution is plain upon this subject; but it needs proper legislation to enforce its provisions, and not compel the citizens to have to resort to law to secure their rights."

## SUPERVISION.

A great mistake was made in the revision of the school law in not providing for a county superintendent for such county. The legislature was opposed to this; it, however, passed a measure providing for county supervision for all those counties which may vote to adopt it.

## TEACHERS.

Many of the teachers employed in the rural districts are thoroughly competent and successful in their work, but there are others who are sadly deficient. The county teachers' institutes are doing much to improve the qualifications of teachers, but the normal schools especially are sending out many excellent teachers, who are exemplars of enthusiasm, tact, and skill to other teachers.

## SCHOOL BUILDINGS.

More school buildings were erected during the year than ever before. They were also larger and better buildings. The value of school property increased during the year more than \$1,000,000, making a total value of school property at the present time of nearly \$11,000,000. Many of the schoolhouses in rural districts are too small to accommodate the children of the districts. Many of them are not fenced in, and some are not even locked at night. They are also used for other than school purposes, such as meetings of societies, clubs, etc. The schoolhouses are frequently very much injured on such occasions. No one feels responsible for the condition of the schoolhouses. The school boards expect the teachers to attend to them, and the teachers expect the school boards to do so. The condition of the water-closets is often disgraceful. If a teacher has no regard for the hygienic surroundings of his pupils he should not be allowed to have charge of them.

## HIGH SCHOOLS.

Twenty-seven cities and towns have high schools with a course of four years, thirty-eight with a course of three years, and sixty-five with a course of two years. Nearly all of these are in an excellent condition. Their success depends to a large extent upon the school boards. If the board is always anxious to economize by securing the cheapest teachers and having a short term, the schools will not meet with that success which should attend them. In some of the high schools which have courses of three or four years, where there are only three or four pupils in the last year's course it would be advisable to shorten the course by one year.

## THANKSGIVING DONATION.

In November, 1888, the superintendent of public instruction sent out circulars to the schools asking them to observe Thanksgiving Day by making donations to the needy children, so that they might be provided with the necessary books and clothing for attending school. The experiment was so entirely successful that it was repeated in November, 1889, and many a child went home with a smiling face and a happy heart on account of the present it had received, while the contributors fully realized the truth of the expression that "it is more blessed to give than to receive."



## ARBOR DAY.

Arbor Day was first observed in Missouri in April, 1886. Since that time it has been observed annually on the Friday following the annual school meeting, which is held on the first Tuesday in April. This day has now been set apart by the legislature as Arbor Day. It has now been observed four times, and thousands of trees, vines, and shrubs have been planted in the school yards.

## MONTANA.

[From Report for 1888-89 of State Superintendent John Gannon.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Boys of school age.....	14,094	18,452	I.....4,358
Girls of school age.....	13,506	18,351	I.....4,845
Whole number.....	27,600	36,803	I.....9,203
Boys enrolled at school.....	7,124	8,582	I.....1,458
Girls enrolled at school.....	6,814	8,226	I.....1,412
Whole number enrolled.....	13,181	16,808	I.....3,627
Per cent. of census children enrolled.....	56	54	D......2
<b>SCHOOLS AND SCHOOLHOUSES.</b>			
Number of schools.....	386	477	I......91
Average term of schools, in days.....	127	142	I......15
Brick or stone buildings.....	32	41	I......9
Frame buildings.....	89	110	I......21
Log buildings.....	184	168	D......16
Whole number of school buildings.....	305	319	I......14
Value of school buildings.....	\$646,670	\$698,798	I.....\$52,128
<b>TEACHERS AND SALARIES.</b>			
Number of men teaching.....	105	156	I......51
Number of women teaching.....	337	351	I......14
Whole number of teachers.....	442	507	I......65
Average salary of men per month.....	\$69.00	\$75.08	I.....\$6.08
Average salary of women per month.....	56.00	56.92	I......92
Average salary of both sexes.....	62.05	66.56	I.....4.51
<b>PRIVATE SCHOOLS.</b>			
Number of private schools.....	17	28	I......11
Pupils enrolled in private schools.....	698	682	D......16
<b>RECEIPTS FOR SCHOOL PURPOSES.</b>			
From county taxes.....	\$252,417	\$255,263	I.....\$2,846
From special taxes.....	54,156	57,681	I.....3,525
From district courts.....	1,386	2,362	I.....976
From probate judges.....	2,563	2,844	I.....276
From justices of the peace.....	4,864	6,068	I.....1,204
From other sources.....	2,051	1,399	D.....652
From all sources.....	317,442	325,617	I.....8,175

The superintendent of public instruction says that he is constantly receiving letters from all parts of the State for information relating to sales and leases of the school lands. He also states that depredations are continually being made upon these lands, and that it will require close oversight to prevent them.

He suggests that county superintendents, besides being required to compile the reports of district trustees and clerks, should also be required to report upon the general work of the schools, the condition of the buildings, fences, furniture, etc.

## NEW LEGISLATION.

Section 1950 of the school laws was amended in March, 1889, so as to authorize trustees of school districts to submit to the electors of the districts the question of issuing cou-

pon bonds to an amount not exceeding 4 per cent. of the taxable property of such districts, and bearing a rate of interest not exceeding 7 per cent. per annum, the proceeds of such bonds to be used in erecting schoolhouses and purchasing the necessary land.

PROVISIONS OF THE CONSTITUTION OF THE STATE OF MONTANA RELATING TO EDUCATION.

ARTICLE XI.—*Education.*

SECTION 1. It shall be the duty of the legislative assembly of Montana to establish and maintain a general, uniform, and thorough system of public, free, common schools.

SEC. 2. The public-school fund of the State shall consist of the proceeds of such lands as have heretofore been granted, or may hereafter be granted, to the State by the General Government, known as school lands, and those granted in lieu of such; land acquired by gift or grant from any person or corporation under any law or grant of the General Government; and of all other grants of land or money made to the State from the General Government for general educational purposes, or where no other special purpose is indicated in such grant; all estates, or distributive shares of the estates that may escheat to the State; all unclaimed shares and dividends of any corporation incorporated under the laws of the State, and all other grants, gifts, devises, or bequests made to the State for general educational purposes.

SEC. 3. Such public-school fund shall forever remain inviolate, guaranteed by the State against loss or diversion, to be invested, so far as possible, in public securities within the State, including school-district bonds issued for the erection of school buildings, under the restrictions to be provided by law.

SEC. 4. The governor, superintendent of public instruction, secretary of state, and attorney-general shall constitute the State board of land commissioners, which shall have the direction, control, leasing, and sale of the school lands of the State, and the lands granted or which may hereafter be granted for the support and benefit of the various State educational institutions, under such regulations and restrictions as may be prescribed by law.

SEC. 5. The interest on all invested school funds of the State, and all rents accruing from the leasing of any school lands, shall be apportioned to the several school districts of the State in proportion to the number of children and youths between the ages of six and twenty-one years residing therein respectively, but no district shall be entitled to such distributive share that does not maintain a public free school for at least three months during the year for which distribution shall be made.

SEC. 6. It shall be the duty of the legislative assembly to provide, by taxation or otherwise, sufficient means, in connection with the amount received from the general school fund, to maintain a public, free, common school in each organized district in the State for at least three months in each year.

SEC. 7. The public free schools of the State shall be open to all children and youths between the ages of six and twenty-one years.

SEC. 8. Neither the legislative assembly, nor any county, city, town, or school district, or other public corporations, shall ever make, directly or indirectly, any appropriation, or pay from any public fund or moneys whatever, or make any grant of lands or other property in aid of any church, or for any sectarian purpose, or to aid in the support of any school, academy, seminary, college, university, or other literary, scientific institution, controlled in whole or in part by any church, sect, or denomination whatever.

SEC. 9. No religious or partisan test or qualification shall ever be required of any person as a condition of admission into any public educational institution of the State, either as teacher or student; nor shall attendance be required at any religious service whatever, nor shall any sectarian tenets be taught in any public educational institution of the State; nor shall any person be debarred admission to any of the collegiate departments of the university on account of sex.

SEC. 10. The legislative assembly shall provide that all elections for school district officers shall be separate from those elections at which State or county officers are voted for.

SEC. 11. The general control and supervision of the State University and the various other State educational institutions shall be vested in a State board of education, whose powers and duties shall be prescribed and regulated by law. The said board shall consist of eleven members, the governor, State superintendent of public instruction, and attorney-general being members *ex officio*; the other eight members thereof shall be appointed by the governor, subject to the confirmation of the senate, under the regulations and restrictions to be provided by law.

SEC. 12. The funds of the State University and of all other State institutions of learning, from whatever source accruing, shall forever remain inviolate and sacred to the purpose for which they were dedicated. The various funds shall be respectively invested under such regulations as may be prescribed by law, and shall be guaranteed by the State against loss or diversion. The interest of said invested funds, together with the rents from leased lands or properties, shall be devoted to the maintenance and perpetuation of these respective institutions.



## NEW HAMPSHIRE.

[From Report for 1888-89 of State Superintendent J. W. Patterson.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>SCHOOLS.</b>			
Different public schools .....	2,314	2,293	D.....21
Graded schools.....	571	587	I.....16
Town and district high schools.....	56	58	I.....2
Schools averaging 12 scholars or less.....	644	657	I.....13
Average length of schools in weeks of 5 days .....	22.90	22.78	D......12
<b>PUPILS.</b>			
Boys attending school 2 weeks or more.....	31,668	30,505	D.....1,113
Girls attending school 2 weeks or more.....	30,158	29,619	D.....539
Number of scholars between 6 and 16.....	53,029	51,511	D.....1,518
Average attendance of all the scholars.....	44,877	43,484	D.....1,393
Average attendance to each school .....	19.82	18.56	D.....1.26
Number of pupils attending private schools.....	7,652	7,514	D.....138
<b>TEACHERS.</b>			
Number of men teaching .....	316	312	D.....4
Number of women teaching.....	2,756	2,727	D.....29
Teaching the first time.....	423	451	I.....28
Average wages of male teachers per month, including board....	\$44.32	\$43.87	D.....\$0.95
Average wages of female teachers per month, including board....	24.98	25.42	I......49
<b>SCHOOLHOUSES.</b>			
Number of schoolhouses .....	2,131	1,993	D.....138
Reported unfit for use .....	275	225	D.....50
Built during the year.....	28	43	I.....15
Estimated value of buildings, sites, and furniture .....	\$2,301,337	\$2,380,606	I.....\$79,269
<b>EXPENDITURES.</b>			
Teachers' salaries.....	\$474,401	\$478,035	I.....\$3,634
New buildings .....	54,660	63,318	I.....8,658
Total expenditures .....	708,489	739,073	I.....30,584

The number of pupils enrolled, Superintendent Patterson says, "is 1,652 less than the number enrolled last year. This does not include the number enrolled for a less time than two weeks; but, as it stands, it would seem to indicate a rapid falling off of the school population of the State. But when we take into account the large numbers who have been taken from the public and put into private parochial schools from which we have no returns, we see that the above decrease of the enrollment indicates no falling off in the school population of the State, though it must decrease the average attendance of all the schools and to each school.

"Again, the tables show an increase of \$35,691.10 over the total revenue raised last year, but as fifteen new schoolhouses have been built during the period which cost \$63,317.91 we can see there has been a large falling off in the amount raised for the support of schools, as we had reason to fear there would be under the appraisal of 1885. It will be observed from the summary that the total expenditures of the last year exceeded the total income by \$26,641.92. This excess came from the money hired for building purposes and from the surplus of the previous year.

"The number of small schools under the town system is still decreasing. The last year twenty-one were dropped. As a consequence the number of graded schools is increased sixteen and the number of high schools two."

The apportionment of 1885 decreased the amount of the school tax in 162 towns. This curtailment of school revenues has deprived the schools of needed supplies and improvements and necessitated the employment of cheaper teachers or a shortening of the school terms.

Complaint is made that in some towns "men have been placed upon the [school] board and sworn to a discharge of its duties, whose inexperience, lack of interest, or want of early opportunities have left them utterly disqualified for such work. As a consequence the schools and the intelligence and the standing of these communities have suffered damage." To remedy this the State superintendent suggests the appointment



of county superintendents, not to supersede town school boards, but to discharge specific additional duties which can not be required of the town boards, especially to examine teachers, supervise schools in a general way, and assist in arranging for holding institutes.

*Free text-books.*—An act of the State legislature, approved July 30, 1889, renders it obligatory upon the school committees of all cities and towns to furnish "text-books and other supplies used in the public schools" to pupils free of charge.

## NEW JERSEY.

[From Report for 1888-89 of State Superintendent Edwin O. Chapman.]

### STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Number of children between 5 and 18 years of age.....	387,847	399,052	I.....11,205
Whole number enrolled.....	224,398	227,441	I.....3,043
Number attending 10 months.....	11,075	8,552	D.....2,523
Number attending between 8 and 10 months.....	66,187	71,846	I.....5,659
Number attending between 6 and 8 months.....	41,724	43,533	I.....1,809
Average number attending.....	135,187	139,272	I.....4,085
Per cent. of school population attending school.....	58.9	58.7	D......2
Average duration of schools in days.....	192	190	D......2
<b>SCHOOLHOUSES.</b>			
Number of schoolhouses.....	1,615	1,642	I......27
Number reported very poor.....	67	69	I......2
Number reported poor.....	90	105	I......15
Number of new buildings erected.....	30	32	I......2
Average value of schoolhouses.....	\$5,005	\$5,267	I.....\$262
<b>TEACHERS.</b>			
Number of men teaching.....	796	802	I......6
Number of women teaching.....	3,325	3,497	I......172
Average monthly salary of men.....	\$67.24	\$71.86	I.....\$4.62
Average monthly salary of women.....	42.35	42.76	I......41
Teachers' certificates granted to men.....	453	421	D......32
Teachers' certificates granted to women.....	1,407	1,348	D......59
Per cent. of rejections out of total number examined.....	33	34	I......1
<b>REVENUES.</b>			
State school tax appropriated by the State.....	\$1,870,055	\$1,939,235	I.....\$68,180
Income from invested school fund.....	100,000	100,000	I......000
Township school tax.....	43,992	47,224	D......1,768
Interest of surplus revenue.....	32,084	32,262	I......178
District and city tax for teachers' salaries.....	474,293	525,798	I.....51,504
District and city tax for building and repairing schoolhouses.....	590,016	673,543	I.....83,527
Total amount for maintaining schools.....	2,525,425	2,644,519	I.....119,094
Total amount for all school purposes.....	3,115,441	3,323,067	I.....207,626
Value of school property.....	7,837,706	8,360,610	I.....462,904

### ENUMERATION AND ATTENDANCE.

The whole number of children in the State between 5 and 18 years of age is 399,052, an increase of 2.9 per cent. over the census of the preceding year; the increase being largest in Passaic, Hudson, and Camden Counties. The increase in the cities was 5.4 per cent. The number of children 5 to 18 years of age enrolled in the public schools was 227,441, which is an increase in the whole number attending, but a decrease of 2 per cent. when the greater number of census children is considered. There is a constant annual decrease in the proportion of census children attending the public schools, but those who do attend do so for a longer time each year. In order to receive any portion of the public funds the schools must be kept open nine months. Nearly all the schools were kept open longer than that; the average term for the State being nine months and twelve days. Only one school in the State was kept open less than six months.

As the successful work of the schools depends so much on the punctuality and regularity of attendance of pupils, a record has been kept of these particulars and is presented in tabular form in the report. It shows that the average enrollment in each schoolroom

was 38, and the average daily attendance in each room was 31. If the cities are considered by themselves a better presentation can be made, for out of an average enrollment of 42 the number absent was only 6. In the matter of tardiness there was a little more than one case daily in the State, and a little less than one case daily in the cities, if considered by themselves.

#### TEACHERS.

Although there was an increase over the previous year of only  $1\frac{1}{2}$  per cent. in the number of children enrolled, there were 178 more teachers, 6 men and 172 women. The State superintendent endeavored to reduce the number of teachers confining themselves closely to text-books and to reduce the number of daily recitations. It is thought that some improvement has been made in these respects. The average number of recitations heard daily is fifteen.

In regard to the experience of teachers New Jersey makes a favorable showing compared with other States. The average time taught by each teacher in the same school is 4 years and 6 months; but if the cities are considered by themselves the average time is 7 years and 9 months. The average total experience of all the teachers of the State is 8 years; the average experience of the city teachers, 10 years and 2 months. County and city superintendents have been faithful in their efforts to improve the qualifications of teachers, and the teachers themselves have been active in this direction. New Jersey long ago prohibited corporal punishment in the schools, and the 22 years of experience without it abundantly justify its disuse. Other improvements have followed gradually, until now the methods of teaching have reached a high degree of excellence.

#### SCHOOLHOUSES AND SUPPLIES.

Thirty-two schoolhouses have been built during the year, five of them replacing old houses no longer fit to use. Others have been enlarged, and quite a number repaired and remodeled. The school property of the State is now valued at \$8,300,610. Much more attention is now given to the proper lighting, heating, and ventilating of schoolhouses. The appropriation allowed the State department of education for furnishing plans and specifications of schoolhouses was not sufficient to supply one-half of the demand. Of the 2,642 schoolhouses in the State, 105 are reported "poor" and 69 as "very poor." It is probable, however, that the standards of classification have been raised, and that what would have been classed "poor" schoolhouses a few years ago are now classed "very poor."

In some of the cities, especially those increasing most rapidly in population, there is a lack of sufficient school accommodations. While their census population has increased about 6 per cent., the school accommodations have increased only about 4 per cent. As a result, we find the schoolrooms overcrowded. "If we fix the highest number of pupils that should be cared for in one room as 80—a very liberal standard—then we have 64 rooms that are overcrowded; one more than the number reported last year." Nineteen rooms were each made to accommodate more than 100 children.

There is a constant improvement in the schools as regards furniture and supplies, but there are still 231 schoolhouses furnished with the old-fashioned desks made of pine boards. Blackboards are needed in 262 schools and maps in 217. More than one-half the schools are supplied with libraries, and about one-third of the pupils are supplied with free text-books.

#### EVENING SCHOOLS.

These schools have been kept open 938 evenings; the number of pupils enrolled was 8,934, the average attendance each evening 4,272, the number of teachers 214, and the total appropriation for them was \$23,964.

#### REVENUES.

On account of the increased population of school age, the amount raised by the State tax for the support of schools was larger by \$68,180 than in the previous year. The whole amount, together with the \$100,000 from the invested school fund, was a little more than \$1,000,000. Although there was an increase in the amount raised for teachers' salaries by city and district taxes, the number of districts that taxed themselves for this purpose decreased to 280, about 23 per cent. of the districts in the State.



## NEW MEXICO.

Complete and reliable school statistics of this Territory are not yet to be obtained; those given in chapter 22 are the best approximations that can be made. They are sufficient, however, to show that public schools have been making rapid strides since 1880, the yearly increase of enrollment for eight years having averaged about 17 per cent. The average number of public-school pupils to every 100 persons has increased since 1880 from 4 to 11. This latter number, however, is still only about one-half the average number for the country at large. (See table 3, column 6.) The expenditure for public schools is about one dollar per capita of the population, which also is about one-half that of the country at large.

There is no indication that the average growth of the past eight years is being continued, though there is doubtless a gradual and continuous improvement. Definite statistical information is much needed.

The compulsory attendance law of 1887 is defective in its wording, so that it can not be enforced, as it does not "compel anything or anybody." Even if this were not the case it would be largely inoperative through the indifference of the public and the practical difficulties in the way of its execution. It may have had some indirect beneficial effect.

Of the 344 public schools in the Territory 143 are taught in English, 106 in Spanish, and 95 in both languages. The Spanish-speaking people are generally "very anxious to have their children taught English."

## PUBLIC SCHOOLS OF NEW MEXICO.

The following is taken from a report made by Mr. T. B. Mills, United States Treasury expert, to the Bureau of Statistics:

"The introduction and establishment of a system of public education for the children of New Mexico has been rather a slow and difficult process. There have been and are yet many causes which have retarded and still prevent a proper growth and development of public free schools. Among these may be mentioned the sparseness of population in grazing districts, where often the residence of one family is miles distant from any other, but the principal causes are a deep-rooted prejudice of an influential part of the population against the system of education and lack of training and understanding of its practical working by the people themselves and the district officers chosen to carry out the provisions of the laws. The best public-school laws in the world (which we have not) would be found to be inefficient and unsatisfactory when applied to a population unaccustomed to such a system. The successful execution of school laws depends so largely upon the people themselves, upon minor precinct officers, that the latter are very liable to misapprehend their duties and the scope of their powers and privileges unless they have had previous training and experience. Their acts of commission and omission may all be well intended, but they often fail to put schools in practical operation. It takes time. The children are not the only ones to be taught; the voting and governing population outside of the schoolroom have to learn the requirements of the law and the manner to enforce it to secure the best results. It takes a population educated under a public-school system to successfully enforce and administer public-school laws.

"But lack of experience may be overcome by interested effort, and I am glad to say that there is a large portion of the population of New Mexico enthusiastic in the support of public schools and popular education. They are anxious that their children shall learn. The English language is also steadily growing in favor. Necessarily the instruction in the schools of New Mexico has been largely in the Spanish language, but English is now taught wherever at all practicable.

"The general establishment of public schools throughout the Territory dates from the school law of 1884. It is not particularly a good law or a complete and perfect one by any means, but it introduced two new features which were not embraced in previous legislation and which secured the general establishment of schools. These were the provisions creating the office of county superintendent and the election by the people of a board of three directors or commissioners for each precinct. The system was a new one, and, fortunately for the great majority of counties, the first election resulted in the choice of competent and qualified men, who had nearly all been educated under the public schools of the States, to the offices of school superintendents. \* \* \*

"The law was general in terms without specific provisions, but the superintendents found sufficient authority to organize one or more public schools in almost every precinct throughout the Territory, and they have ever since been fairly well maintained. The system is now firmly established and is growing constantly in public favor. The



school fund is provided by a tax of one-fourth of 1 per cent. on all the taxable property of the Territory. The poll tax and certain fines are also turned into the school fund.

"The first law relating to schools in New Mexico was passed January 23, 1860. By this law the justice of the peace in each precinct was to appoint the teacher and he was entitled to collect the sum of fifty cents per month for each child attending his school. Compulsory attendance of children was also provided for.

"On the 23d of January, 1863, another law was passed creating a board of education, consisting of the governor, secretary, the judges of the supreme court, and the bishop (Catholic) of New Mexico. This board was invested with extraordinary powers, 'to make all laws, rules, and regulations necessary for the education of all the children within the limits of this Territory.' They were not, however, provided with any certain fund raised by taxation, but 'all funds or moneys derived from the Government of the United States, from Territorial appropriations, or from any other source intended for public school purposes,' should be devoted exclusively to the cause of education. But as the funds 'intended for public schools' came in rather slowly this distinguished board with its ample grant of powers was not able to accomplish much in the direction of the education of youth.

"The legislature of 1872, however, made a decided advance in providing for public education. By the laws passed at that session a school fund was created by a levy of one-fourth of 1 per cent. on all the taxable property of the Territory, and instead of the Territorial board county boards of school directors or supervisors were created. These boards consisted of four persons, elected by the people of each county, and the probate judge. Under this law a number of public schools were established and fairly paved the way for the better system of 1884.

"By this last law, as before noted (the law of 1884), the county board of school supervisors was superseded by the boards of precinct directors and a county superintendent. This last system has created a lively interest in school matters among the common people and has yielded the best results.

"A comprehensive measure for public schools was before the last legislature (1889), and was ably championed by W. D. Kistler, representative from this (San Miguel) county, and editor of the Daily Optic, and the Territorial press generally, but from various causes it was finally defeated."

## NEW YORK.

### STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
Children between 5 and 21 years of age.....	1,772,958	1,803,667	I.....30,709
Number of pupils enrolled .....	1,033,269	1,033,813	I.....544
Average daily attendance .....	630,595	637,487	I.....6,892
Number of pupils to each teacher.....	58	43	D.....15
Length of school term, in weeks.....	33.3	33.4	I......1
<b>SCHOOLHOUSES.</b>			
Number of—			
Log buildings.....	54	49	D.....5
Frame buildings.....	10,114	10,132	I.....18
Brick buildings.....	1,437	1,456	I.....19
Stone buildings.....	360	348	D.....12
Whole number.....	11,965	11,985	I.....20
Value of schoolhouses and sites.....	\$37,418,355	\$39,354,358	I.\$1,936,003
<b>TEACHERS AND SALARIES.</b>			
Number of men teaching.....	5,651	5,549	D.....102
Number of women teaching .....	26,075	26,438	I.....363
Whole number.....	31,726	31,987	I.....261
Average annual salary of teachers.....	\$419.75	\$418.76	D.....\$0.99
<b>EXPENDITURES.</b>			
Teachers' wages.....	\$9,676,092	\$9,804,604	I....\$128,512
Libraries and apparatus.....	432,972	420,416	D.....12,556
Schoolhouses, sites, etc.....	2,866,521	3,744,560	I.....878,039
Other purposes.....	2,005,256	2,080,665	I.....75,409
Whole amount.....	14,980,841	16,050,245	I...1,069,404

## THE TEACHING SERVICE.

New York has increased her expenditure for public-school work from \$3,700,000 in 1860 to over \$16,000,000 in 1889. A consideration of this enormous increase of expenditure suggests the inquiry whether the schools are deriving all due profit from it. If the schools of the State come short of doing as excellent work as is done by the best European schools of similar grade, it is owing to laxness in conferring authority to teach, to indifferent training of teachers, and to the ill-usage which is put upon them.

Permanency in position is a prerequisite to the best results in schoolroom work. Yet out of 10,644 rural districts more than half of them had teachers who had not taught in the same districts the preceding term. More than 75 per cent. had not been a year in their present situations. During the year 3,251 teachers received their first certificates in the rural districts. Good school work can not be expected if the teacher is turned out of office whenever the trustee changes, or if his training has not been such as to put heart and soul into his work, or if he is not directed by and responsible only to competent authority.

New York State is leading the way to remedy the evils which stand in the way of a most substantial and professional teaching service. All her legislation, all the power of her State educational department, all the influence of her leading educators and educational journals have been in the direction of greater caution in the selection of teachers, more thorough and intelligent professional training, more permanent tenure of office, and better treatment for honest and competent work.

## SCHOOL PROPERTY.

The legislation of recent years touching the improvement of school buildings and furnishings, supplemented by the publication by the State of schoolhouse designs, has led to the erection of an unprecedented number of new and handsome buildings and to the thorough repair and refurnishing of many old ones.

During the past year the public moneys were withheld from all districts until they were certified by supervisory officers to have complied with the provisions of the law concerning the number, arrangement, and character of the outbuildings connected with each schoolhouse.

## ARBOR DAY.

The celebration of Arbor Day was generally observed in New York the first time Friday, May 3, 1889. The reports concerning the observance of the day indicate that the movement was heartily approved by teachers, school officers, pupils, and the general public. In some localities all other business was suspended for the day, the inhabitants vying with each other in making the exercises pleasant and profitable. Outside of the cities, 5,681 school districts reported as having observed the day, planting 24,166 trees, not including vines, shrubs, and flowers.

## COMPULSORY ATTENDANCE LAW.

The compulsory education act of 1874 having failed hitherto to remedy the evils which led to its enactment, a new measure was prepared with great care, in which were embodied the principles which experience has shown to be essential in order to make any compulsory law effective. This measure passed the legislature, but failed to become a law for want of the approval of the governor. It will probably be amended and reintroduced the next ensuing session.

## COURSES OF STUDY IN UNGRADED SCHOOLS.

The great difficulty which the ungraded rural schools have always encountered has been the entire absence of any fixed and orderly system of procedure. During the last year there has been a very decided movement towards mending the difficulty by providing a course of study for the ungraded schools. Two well-arranged courses have been put in operation, one in three counties, and the other has been approved and commended by twenty-two county school commissioners. Connected with these courses are systems of examination calculated to encourage continuous attendance, progressive study, and final graduation.

## A STATE EDUCATIONAL COMMISSION PROPOSED.

Superintendent Draper, calling attention to the heavy expenditure for public education and the lack of organized system and method in school work, renews his recommendation for a State commission in the interest of education, upon a plan analogous



to those of Great Britain and Mexico. He is inclined to believe that a body composed of perhaps thirty or forty persons, in which the legislature, the colleges, the normal schools, the high schools, the district schools, the boards of trustees, the superintendents and commissioners, and the best professional opinion should be represented, and which should remain in session thirty or sixty days, and discuss general principles for the promotion of educational interests, would result in a strong impetus to the work and a permanent influence for good.

## NEW LEGISLATION.

*Expenses of superintendents.*—The State superintendent is to make no allotment of State funds to any city or district for the expenses of a superintendent unless satisfied that such city, village, or district employs a competent person as superintendent, whose time is exclusively devoted to the general supervision of the schools.

*Extension of school term.*—The minimum number of weeks the school of a district is to be kept open in order to entitle it to share in the State apportionment has been increased from twenty-eight to thirty-two weeks, of five school days each.

*Contracts with teachers.*—No trustee shall employ a teacher for a shorter time than sixteen weeks, unless for the purpose of filling out an unexpired term of school; nor shall any teacher be dismissed in the course of a term except for reasons which, if appealed to the State superintendent, shall be held sufficient. Any failure on the part of a teacher to complete an agreement to teach a term of school, without good reason therefor, shall be deemed sufficient ground for the revocation of the teacher's certificate.

*Raising money for teachers' wages.*—No trustee shall issue an order or draw a draft upon any supervisor for money for the payment of teachers' wages, unless the supervisor has sufficient money in hand to meet such order or draft. If there is no such money available, and the district meeting has failed to authorize a tax to pay teachers' wages, the school trustees of the district are authorized to collect by district tax a sufficient amount.

Boards of education in union free school districts are authorized to levy a tax for teachers' wages and ordinary contingent expenses in case the inhabitants have neglected or refused to vote the same.

## OHIO.

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>DISTRICTS.</b>			
Township districts.....	1,345	1,347	I.....2
Separate districts.....	793	810	I.....17
Whole number.....	2,138	2,157	I.....19
Subdivisions in township districts.....	11,192	11,204	I.....12
Subdivisions in separate districts.....	934	987	I.....53
Whole number of subdivisions.....	12,126	12,191	I.....65
<b>TEACHERS AND WAGES.</b>			
Number necessary to supply the schools.....	18,893	19,215	I.....322
Men teaching in townships.....	9,462	9,322	D.....140
Women teaching in townships.....	8,412	8,446	I.....34
Men teaching in separate districts.....	1,471	1,377	D.....94
Women teaching in separate districts.....	5,513	5,741	I.....228
Whole number employed.....	24,858	24,886	I.....28
Average monthly wages of—			
Men in township elementary schools.....	\$37.00	\$37.00	.....
Women in township elementary schools.....	27.00	27.00	.....
Men in township high schools.....	64.00	63.00	D.....\$1.00
Women in township high schools.....	48.00	47.00	D.....1.00
Men in separate district elementary.....	64.00	57.00	D.....7.00
Women in separate district elementary.....	43.00	44.00	I.....1.00
Men in separate district high schools.....	78.00	79.00	I.....1.00
Women in separate district high schools.....	64.00	65.00	I.....1.00
<b>PUPILS.</b>			
Number enrolled in elementary schools.....	743,415	742,841	D.....574
Number enrolled in high schools.....	33,801	34,321	I.....520
Whole number enrolled.....	777,216	777,162	D.....54
Per cent. of enrollment on enumeration—			
In townships.....	81.0	82.0	I.....1.0
In separate districts.....	59.0	58.0	D.....1.0



## STATISTICAL SUMMARY—Continued.

	1887-88.	1888-89.	Increase or decrease.
<b>PUPILS—continued.</b>			
Per cent. of daily attendance on enrollment—			
In townships.....	63.5	63.0	D ..... .5
In separate districts.....	74.5	75.0	I ..... .5
<b>SCHOOLHOUSES.</b>			
Number erected—			
In townships.....	339	349	I .....10
In separate districts.....	57	47	D .....10
Total.....	396	396	
Whole number in the State.....	12,715	12,712	D .....3
Value of schoolhouses and grounds.....	\$30,287,897	\$31,381,033	I.....\$1,093,136
<b>EXPENDITURES.</b>			
Wages of superintendents and teachers.....	\$6,568,588	\$6,760,398	I.....\$191,810
Sites and buildings.....	1,300,085	1,198,058	D.....102,827
Fuel and other contingent expenses.....	2,045,941	2,135,250	I.....89,309
Total.....	9,914,624	10,093,706	I.....179,082

## ORGANIZATION OF THE SCHOOL SYSTEM.

Attention is called by the State superintendent to the waste that accompanies the carrying on of the school system, a waste which is nowhere more strikingly exhibited than in the "double-headed" system for township schools. The township and district boards, as the law now stands, are an obstruction to each other, and should be replaced by a single system, such as the cities and towns have. "This system would concentrate responsibility, which is now scattered and evasive. It would tend to unify courses of study and introduce better methods of instruction. Under it the adjustment of the number of schools to the wants of the school population would become more easy and uniform. It would, also, be likely to create in the public mind a sharper distinction between good and poor teaching. Above all, it would promote economy in the management of the schools."

## COMPULSORY EDUCATION.

A more stringent compulsory education law was enacted at the last session of the legislature, an account of which is reserved for another part of this Report.

## SUPERVISION NEEDED FOR COUNTRY SCHOOLS.

"The ungraded country district schools, in which one-half our youth are to get all the school education that will fall to their share, are the ones yet to feel the benefits of intelligent inspection and direction. A few townships in the State have arisen above the educational level of their neighbors, and have availed themselves of the permissive features of the law, and have adopted township supervision, reaping from their intelligent enterprise a fruitful harvest of good results for their schools. But these townships in number are but as a drop in the bucket.

"That Ohio has been so long without supervision for her country schools is a fact not to be easily accounted for. It certainly is not the result of indifference on the part of her educators. Within the last forty years they have pressed the question upon the attention of the legislature again and again. \* \* \* Ohio can never have a school system commensurate with her greatness as a State until she has placed her country schools under intelligent supervision. Without this all schemes for the improvement of these schools must prove but temporary expedients and fall short of their full measure of usefulness."

## CONTINUANCE OF SCHOOLS.

The law of Ohio provides that "each board of education shall establish a sufficient number of schools to provide for the free education of the youth of school age within the district under its control at such places as will be most convenient for the attendance of the largest number of such youth, and shall continue each and every day school so established not less than 24 weeks in each school year. This is a very impor-

tant provision of the law, yet it is not complied with by all township boards." In 1888-89 there were 30 counties having 80 delinquent townships, with 170 delinquent subdistricts. Of the 80 delinquent townships but 15 taxed up to the limit of the law. "Where the township taxes up to the lawful limit no blame can attach to the township board, for it has done all that the law permits it to do. But where boards fail to impose such a rate of taxation within the limits of the law as will produce a sum sufficient to continue all the schools of the township 24 weeks, such boards fail to discharge a sworn duty. Yet, in the year 1887-88, 12 townships in 1 county failed to provide 24 weeks of school for all the subdistricts of the townships, and but 1 of these townships levied up to 7 mills, and 3 of them levied a tax less than 2 mills."

## PENNSYLVANIA.

[From Report for 1888-89 of State Superintendent E. E. Higbee.]

	1887-88.	1888-89.	Increase or decrease.
Number of school districts.....	2,298	2,317	I.....19
Whole number of schools.....	21,842	21,889	I.....47
Number of graded schools.....	9,551	10,117	I.....566
Number of male teachers.....	9,003	8,191	D.....812
Number of female teachers.....	14,678	15,726	I.....1,048
Whole number of teachers.....	23,681	23,917	I.....236
Average monthly salary of men teaching.....	\$38.54	\$39.00	I.....\$0.46
Average monthly salary of women teaching.....	\$30.16	\$30.31	I.....\$0.15
Average length of school term, in months.....	7.48	7.49	I......01
Number of pupils.....	941,625	954,409	I.....12,784
Average number of pupils.....	674,179	687,355	I.....13,176
Cost of tuition.....	\$6,404,895	\$6,669,798	I.....\$264,903
Cost of building, purchasing, and renting.....	\$2,007,636	\$2,054,004	I.....\$46,368
Total expenditures.....	\$11,012,991	\$11,902,261	I.....\$889,270

"There has been a very large increase in the number of graded schools during the year, viz, 566. The whole number of graded schools is now 10,117, nearly one-half of all our schools. This rapid increase of graded schools demands most careful watchfulness upon the part of superintendents and teachers. While we have the great gain derived from such division of labor as the graded school secures, we must seek to avoid the serious dangers involved. Teachers confined to one line of studies, and those that are suited only to a certain age, are apt to take into view only the small section of a child's life belonging to that age, and this weakens the great incentive to work which comes from the clear vision of the end of education in the beginning. The end is not the examination for promotion to another grade. The solid culture of the child toward a well-furnished personality—a developed, intelligent life of thought and act—must be the main aim of all teaching, and this should not be broken in upon by any interruption of artificial grades. Hence great caution is required in graded schools, lest, through anxiety to promote from grade to grade, the child be fitted more for examination than for life.

"The increase in the salary of teachers has been very small. Now that the amount appropriated by the State is two millions—double what it was four years ago—it is to be hoped that the average salary of teachers will be greatly enlarged. It is now, for male teachers, only thirty-nine dollars per month, and for female teachers only a little over thirty dollars. This want of proper remuneration is injuring the status of our schools. It is retarding the whole educational work of the State, and every exertion should be made to remedy this defect. Direct legislation can effect but little. Public sentiment must be aroused. Directors and parents must realize the vast importance of our schools and the great responsibility of our teachers, and refuse to make the matter of selecting them nothing more than the employment of the cheapest candidates in the market. Our superintendents also must make the provisional certificates fewer and fewer, demanding higher grades and insisting on more thorough examinations. By concerted action the way may be opened for a better condition of affairs as regards salaries and tenure of office.

"While thankful for the legislation secured in behalf of the schools, we regret very much that the bill for a closer supervision of our schools in rural districts failed of passage. Closer supervision is so necessary that it must soon come. The need of it becomes more apparent every day, and very many directors are only waiting for authority to organize the work."

## RHODE ISLAND.

[From Report for 1888-89 of State Superintendent Thomas B. Stockwell.]

## STATISTICAL SUMMARY.

	1887-83.	1888-89.	Increase or decrease.
POPULATION AND ATTENDANCE.			
Children from 5 to 15 years of age, inclusive.....	64,395	64,905	I.....510
Number enrolled in public schools.....	52,722	51,895	D.....827
Average number belonging.....	36,414	37,611	I.....197
Average number attending.....	33,583	33,803	I.....220
SCHOOLS.			
Number of graded schools.....	737	735	D.....2
Number of ungraded schools.....	276	272	D.....4
Whole number of schools.....	1,013	1,007	D.....6
Average length of schools, in months.....	9.6	9.5	D......1
TEACHERS AND WAGES.			
Men employed.....	170	171	I......1
Women employed.....	1,168	1,196	I......28
Whole number of teachers.....	1,338	1,367	I......29
Number necessary to supply the schools.....	1,104	1,130	I......26
Average monthly wages of men.....	\$85.99	\$87.06	I.....\$1.07
Average monthly wages of women.....	\$44.40	\$45.20	I.....\$0.80
Number educated at colleges and universities.....	71	70	D......1
Number educated at normal schools.....	378	404	I......26
Number educated at academies or high schools.....	745	755	I......10
EVENING SCHOOLS.			
Number of schools.....	40	43	I......3
Average length of schools, in weeks.....	13	14	I......1
Number of pupils enrolled.....	5,325	5,870	I.....545
Average attendance.....	2,188	2,089	D.....99
EXPENDITURES.			
Wages of teachers in day schools.....	\$538,124	\$554,807	I.....\$16,683
Cost of school supervision.....	18,474	18,606	I.....132
Sites, buildings, and furniture.....	184,785	217,213	I.....32,428
Libraries and apparatus.....	4,592	5,109	I.....517
Other purposes.....	79,097	111,551	I.....32,454
Whole amount expended.....	825,072	907,287	I.....82,215

The general condition of the schools does not change very materially in any one year, but what changes are made are in the line of still further progress and development. There are several considerations which lead one to believe that the public schools are doing more successful work than formerly. That the people highly appreciate the education their children receive at the public schools is evidenced by the constantly recurring votes of towns and districts for the erection of school buildings and by the numerous demands for the establishment of high schools. That the character of the instruction given in the public schools has improved may be inferred from the fact that a larger proportion of the teachers are graduates of high schools, academies, and especially normal schools.

## ATTENDANCE.

The school census shows a slight increase in school population, but the increase in the number of children attending public and private schools was three times as great. The great difficulty encountered, however, is the irregularity of attendance; it is the constant complaint of school committees. But there seems to be no available remedy for it unless parents can be made to fully realize and appreciate the benefits of education. The compulsory law can secure the attendance of children for a specified term, but it can not eradicate the evil of irregularity. "The number of children between the ages of 7 and 15, or those over whom the compulsory law is especially extended, was reduced 449, or nearly 10 per cent., while the number of those who attended less than 12 weeks, the minimum time fixed by law, was reduced nearly 20 per cent." This shows that



laws for compulsory attendance are meeting with good success. In some of the towns they are much more strictly enforced than in others. In Pawtucket, Woonsocket, Newport, South Kingston, and East Greenwich the enforcement of the law is found to be simple and feasible. There is no reason why it should not be as thoroughly enforced in the city of Providence. In many of the rural districts it is rarely necessary to resort to extreme measures; the simple fact that there is an officer to secure the attendance of children at school accomplishes the purpose. While a large number of cases of truancy are reported as having been investigated, only eleven were convicted. The length of time during which it is required that all pupils shall attend the public schools is only twelve weeks. It should probably be twenty weeks. It seems that all children between seven and twelve years of age, the most suitable years for them to acquire an education, should be attending school for more than the short period of twelve weeks. Sufficient progress can not be made in so short a time. Again, in most of the schools promotions are made twice a year, so that the classes are half a year apart, and, if attendance were required for twenty weeks, all the children would attend long enough to complete one grade each year.

#### SIZE OF SCHOOLS.

The number of small ungraded schools is constantly increasing. Fifty-four schools were reported as having less than ten pupils each, and some of them were so small that they scarcely deserved to be called schools. Much better results can be secured in large graded schools. It would be better to incur the expense of conveying children to a large school rather than to pay the salaries of teachers of such small schools.

#### ACCOMMODATIONS.

By comparing the number of sittings reported by the towns and districts with the school population it is found that there are accommodations for 94 per cent. of the children needing them. In many of the country towns there are more sittings than are needed, but in the manufacturing communities there is not a sufficient number. It is in these communities, too, that the compulsory law is most poorly enforced, and the children are not expected to attend the whole year. There is very little occasion, therefore, for any child to remain away from school on account of the want of accommodation. In those towns where there has been a deficiency in school accommodations provision is being made to supply the want by erecting large, well-planned, and convenient buildings.

#### TEACHERS AND WAGES.

Heretofore the number of male teachers has been constantly diminishing, but during the last year the number has increased by one. It is very desirable that the number of male teachers shall be still further increased, for, however successful women may be as teachers, it is not well that men should be entirely excluded. A larger number of the teachers were graduates of normal schools, high schools, and academies; it is therefore to be inferred that the work was well done. The number of pupils to a teacher was the same as in the previous year—thirty-three.

The salaries of teachers run higher than in the preceding year, men receiving \$1.07 more per month, and women 80 cents. The salaries of all the teachers are still lower than they should be, but especially is this true of teachers' salaries in the village grammar schools.

#### SUPERVISION.

The whole amount expended for school purposes was over \$900,000, but the amount paid out for supervision of schools was \$18,606, or a trifle over 2 per cent. of the whole amount expended. A large part of the supervision which schools receive is furnished without any compensation whatever, and without this voluntary supervision many of the schools would utterly fail. The State should not ask men to take this time away from their own affairs and to give it to the public. Moreover, the schools deserve more attention than they have heretofore received.

Each city and town is allowed to make its own regulations for determining the qualifications of its teachers; consequently, there is no uniformity in the requirements at all. Some of the cities require very high attainments, while others are very lax. All teachers in the State should be required to attain to a certain minimum standard of education, and cities should be allowed to require a standard as much higher as they see fit.

## DISTRICT SYSTEM.

The board of education renews its former recommendation, which was also indorsed by the governor in his message to the legislature, that steps be taken to secure the abolishment of school districts: All the school officers of the State, as well as every State superintendent in New England, speak in favor of this change.

## PUBLIC LIBRARIES.

There are 33 free public libraries containing 152,390 volumes, an increase of 8,121 over last year. Of course a large proportion of the books read are fictitious works, but there was a slight increase in the number of historical and educational works read. It is very important that good librarians should be secured so that they may know what kinds of books to recommend to the different classes of readers in order that they may be gradually interested in instructive works.

## DRAWING.

There is a strong disposition now on the part of young men to enter upon mechanical pursuits rather than agricultural. The instruction given in the schools should always have a wise reference to the future work of the pupils in order that they may be well qualified to discharge their duties. For this reason the board of education consider it very important that drawing shall be taught in the schools, some skill in drawing being essential to successful industrial work.

## SCHOOL APPARATUS.

The amount expended for school apparatus and books of reference was \$1,319.16. Many books of reference in history, biography, and travels were purchased, and, as music is now so generally taught in the schools, better facilities for its instruction have been provided. Many valuable aids for the study of natural history have also been provided. "One of the most noticeable features of late movements in this line is the variety of material provided for use in the primary school. 'Busy Work' has won for itself a prominent place in all of our better primary schools, and the problem now is no longer how to keep the children still, but how to keep them busy."

## MORAL TRAINING.

Much is being said at the present time about the lack of moral training in the public schools. However thorough may be the instruction given, if the schools fail to impress the children with the full importance of virtuous principles they have fallen short of their proper work. It is quite probable, however, that the fault does not attach to the schools, but to the homes and the environments of the pupils.

## PRIMARY EDUCATION.

A great change is taking place in the methods of instruction in the primary schools. It is no longer thought proper to place from 75 to 100 children in the care of one teacher. It is no longer thought that we can judge of the success of a teacher by the degree of quiet which she is able to secure. Life, movement, animation now characterize the successful primary schools.

## SOUTH CAROLINA.

[From Report for 1888-89 of State Superintendent James H. Rice.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>ATTENDANCE.</b>			
Number of white boys enrolled.....	47,609	46,842	D.....767
Number of white girls enrolled.....	42,491	42,919	I.....428
Number of colored boys enrolled.....	50,873	50,936	I.....63
Number of colored girls enrolled.....	52,461	53,567	I.....1,106
Whole number enrolled.....	193,434	194,264	I.....830
Number of boys in average attendance.....	70,501	63,968	D.....6,533
Number of girls in average attendance.....	69,056	65,281	D.....3,775
Whole number in average attendance.....	139,557	129,249	D.....10,308
<b>SCHOOLS.</b>			
Number of schools.....	3,922	3,948	I.....26
Average duration, in months.....	3.6	3.4	D......2
Number of schoolhouses.....	3,280	2,962	D.....318
Number erected during the year.....	86	103	I.....17
<b>TEACHERS.</b>			
White men teaching in public schools.....	1,192	1,168	D.....24
White women teaching in public schools.....	1,419	1,460	I.....41
Colored men teaching in public schools.....	1,050	1,042	D.....8
Colored women teaching in public schools.....	542	580	I.....38
Whole number of teachers.....	4,203	4,250	I.....47
<b>SALARIES.</b>			
Average monthly salary of men teaching.....	\$26.68	\$26.61	D.....\$.07
Average monthly salary of women teaching.....	23.80	23.50	D......30
<b>EXPENDITURES.</b>			
Teachers' salaries.....	\$385,257	\$396,333	I.....\$11,076
Rent of schoolhouses.....	2,990	3,262	I.....272
Maps, globes, charts, etc.....	314	1,960	I.....1,646
Books for school libraries.....	188	198	I.....10
New schoolhouses.....	5,443	19,291	I.....13,848
Salaries of school commissioners.....	19,087	20,033	I.....946
Total disbursements.....	430,669	460,434	I.....29,765

a Including 7,109 not classified according to sex or race.

## GENERAL LOCAL TAX BILL.

After many years of vain effort a general local tax bill has been enacted by the general assembly, and was approved by the governor December 24, 1888. It will no longer be necessary for the people of any school district desiring to provide a fund supplementary to the State fund to get the special authorization of the general assembly; but the voters of any school district who return real or personal property for taxation to the amount of \$100 may levy a local tax not exceeding two mills and appropriate the same to such school purposes as they may see fit.

Any city, incorporated town, or village desiring to establish a system of graded or other public schools is constituted a separate school district.

Each taxpayer may have the tax paid under this act applied to any school in his district he may designate. Where no designation is made the money will be expended as other school funds in such district.

The new local tax law will prove of inestimable benefit, though the tax is too small for country schools. Some districts have been put in operation under the new law, but the amount raised by the tax is not sufficient to give the schools the length of term required.

The most urgent need of the school system in South Carolina is illustration, the practice of its principles in every community.



## TOWN SCHOOLS.

The public schools steadily gain ground. In the towns the system of graded schools is being gradually adopted. Sumter, Darlington, and York, three of the largest centers of influence in this State, held during the year their first session under this plan. At no distant day every important place is expected to follow their lead.

The people of South Carolina are intensely conservative. They have been watching with a jealous eye the development of the new educational ideas and refuse to move until the success of a scheme has been thoroughly demonstrated. This has been done so fully that the business men are now leaders in the movement for a more complete system of public schools. Already splendid schools have been established at Charleston, Columbia, Greenville, Spartanburg, Rock Hill, Winnsborough, Chester, Seneca, Johnston, Barnwell, Marion, Florence, Bennettsville, Camden, and other important places. These recommend themselves by their cheapness, their thoroughness, and the vital fact that they reach every child. It is simply a question of time, Superintendent Rice says, when every town in the State that has real vitality and desires to educate the masses will have its graded school.

## COUNTRY SCHOOLS.

The country schools present more points of difficulty. Property is less valuable and the population sparse, being mainly an agricultural people. Free labor is unreliable and expensive, and the children are needed upon the farms a large part of the year. This, while it gives them a valuable practical training in the different branches of agriculture, necessitates brief school terms. If a ten months' free graded school were located in every community very many could not use it more than six months. As a rule they use their opportunities well; and the school term in all cases may be made to extend to six months by the application of the new general local tax act.

The point requiring closest attention is the character of the work done during these short terms. Of the State system itself, the superintendent says: "After years of study of its provisions and contact with its operation and agencies in every part of the State, I say, with emphasis, that its principles are simple, wise, and strong." The trouble is that it has not been administered with fidelity. The great cry is for money; but if the school work is well done in the short terms and the money honestly applied the people will raise every dollar necessary. There is already great progress in many country school districts. They will compare favorably with the towns in the character of their schoolhouses, their equipment, length of session, competency of teachers, and vital connection on the part of parents with the administration of school affairs. There has been a large increase in the number and value of school buildings owned by the State. In some counties a good schoolhouse may be found in every locality.

## PEABODY FUND AID TO GRADED SCHOOLS.

South Carolina has received a larger amount from this fund during the last year than any other Southern State. This has resulted in aid being given to graded schools. The total amount appropriated to graded schools from this source was \$4,450, of which Charleston received \$1,000 and Greenville \$850. Every one of these schools is successfully conducted, and furnishes to the community in which it is situated the very best practical evidence of its adaptability to educate people. These schools receive assistance three years under certain conditions. At the close of their three-year terms the towns are taxing themselves for better buildings and more thorough equipment. A detailed account of the operations of these various schools, their cost, their ability to handle large numbers, and to train children thoroughly, will astonish and delight every friend of learning.

## TENNESSEE.

[From Report for 1888-89 of State Superintendent Frank M. Smith.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>POPULATION AND ATTENDANCE.</b>			
White population between 6 and 21 years of age.....	489,674	502,130	I.....12,456
Colored population between 6 and 21 years of age.....	162,834	169,447	I.....6,613
Total population between 6 and 21 years of age.....	652,508	671,577	I.....19,069
White pupils enrolled <i>a</i> .....	342,089	337,158	D.....4,931
Colored pupils enrolled <i>a</i> .....	91,435	95,556	I.....4,121
Whole number enrolled <i>a</i> .....	436,524	432,714	D.....3,810
White pupils in average daily attendance <i>a</i> .....	244,258	223,934	D.....20,324
Colored pupils in average daily attendance <i>a</i> .....	64,711	61,172	D.....3,539
Whole number in average daily attendance <i>a</i> .....	308,969	285,106	D.....23,863
Average length of school term, in days.....	79	85	I.....6
<b>SCHOOLS AND SCHOOLHOUSES.</b>			
Schools for white pupils.....	5,427	α 5,377	D.....50
Schools for colored pupils.....	1,424	α 1,496	I.....72
Whole number of schools.....	6,851	α 6,873	I.....22
Number of schoolhouses.....	6,130	α 6,100	D.....30
<b>TEACHERS.</b>			
Number of white teachers.....	6,097	α 6,319	I.....222
Number of colored teachers.....	1,621	α 1,811	I.....190
Whole number of teachers.....	7,718	α 8,130	I.....412
<b>FINANCIAL STATEMENT.</b>			
Paid teachers.....	\$906,923	\$1,055,641	I.....\$58,118
Paid county superintendents.....	23,786	23,333	D.....453
Paid district clerks.....	11,543	10,097	D.....1,446
Paid for sites, buildings, and repairs.....	68,593	89,613	I.....21,020
Paid for furniture, fixtures, libraries, and apparatus.....	17,175	25,844	I.....9,669
Paid for other purposes.....	69,910	27,495	D.....42,415
Total expenditures.....	1,157,930	1,232,473	I.....74,543
Total value of school property <i>a</i> .....	2,216,375	2,161,923	D.....54,452
Average monthly salary of teachers.....	29.71	30.40	I......69
Average monthly cost of tuition per pupil.....	.87	.80	D......07
<b>PRIVATE SCHOOLS.</b>			
Number of private schools.....	1,102	1,125	I.....23
Number of teachers employed.....	1,555	1,492	D.....63
Number of pupils enrolled.....	39,600	42,957	I.....3,357
Average daily attendance.....	25,544	27,374	I.....1,830
Average cost of tuition for each pupil, per month.....	\$1.45	\$1.58	I.....\$0.13

α A few counties not reporting are estimated.

Superintendent Smith states that his report was published later than it should have been on account of his not having received full returns.

The salaries of county superintendents are so small that competent men refuse to accept the place, or if they do accept it they do not give proper attention to the work. Again, it seems impossible to secure prompt and full reports from the district clerks and county trustees. The remedy suggested is that county superintendents be paid liberal salaries and be vested with the power of approving warrants.

As only about two-thirds of the school population are enrolled in the schools it would seem that the education of a large proportion of the children is being neglected. But other things should be considered in this connection. The scholastic population embraces all persons between the ages of six and twenty-one, but many parents do not send their children to school until they are seven years of age, and many boys and girls complete the course of the public schools by the time they are fifteen. Some allowance should also be made for the number attending private schools.

## UTAH.

[From Second Annual Report to Congress of the Commissioner of Schools for Utah, Jacob S. Boreman.]

## SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>SCHOOL POPULATION.</b>			
Children of non-Mormon parents:			
Boys between 6 and 18 years of age .....	3,941	4,732	I .....791
Girls between 6 and 18 years of age .....	3,641	4,298	I .....657
Whole number .....	7,582	9,030	I .....1,448
Children of Mormon parents:			
Boys between 6 and 18 years of age .....	24,082	25,106	I .....1,024
Girls between 6 and 18 years of age .....	23,239	24,246	I .....1,057
Whole number .....	47,371	49,452	I .....2,081
Entire number between 6 and 18 .....	54,953	58,482	I .....3,529
<b>ATTENDANCE.</b>			
Non-Mormon children enrolled .....	2,336	2,612	I .....276
Mormon children enrolled .....	31,836	31,609	D .....227
Total enrollment .....	34,172	34,221	I .....49
<b>TEACHERS AND SALARIES.</b>			
Non-Mormon men teaching .....	16	23	I .....7
Non-Mormon women teaching .....	24	37	I .....13
Mormon men teaching .....	312	280	D .....32
Mormon women teaching .....	289	295	I .....6
Whole number of teachers .....	641	635	D .....6
Average monthly salary of—			
Non-Mormon men .....	\$56.92	\$66.14	I .....\$9.22
Non-Mormon women .....	35.60	32.90	D .....2.70
Mormon men .....	47.81	50.38	I .....2.57
Mormon women .....	27.54	29.40	I .....1.86
<b>EXPENDITURES.</b>			
Sites, buildings, and furniture .....	\$33,530	\$48,492	I .....\$14,962
Libraries and apparatus .....	4,094	8,850	I .....4,756
Salaries of superintendents and teachers .....	174,531	188,899	I .....11,368
For other purposes .....	32,115	41,615	I .....9,500
Total expenditures .....	244,270	284,856	I .....40,586
<b>DENOMINATIONAL SCHOOLS.</b>			
Number of schools .....	89	99	I .....10
Number of schools reported .....	79	48	D .....31
Non-Mormon teachers .....	148	108	D .....40
Mormon teachers .....	32	15	D .....17
Non-Mormon children enrolled .....	3,773	1,166	D .....2,607
Mormon children enrolled .....	2,897	1,477	D .....1,420
Whole number enrolled .....	6,670	4,382	D .....2,288

Under the act of Congress of March 3, 1887, the office of Territorial superintendent of district schools created by the laws of Utah was abolished, and it was made the duty of the supreme court of the Territory to appoint a commissioner of schools, who should possess and exercise all the powers and duties previously imposed upon the Territorial superintendent by the laws of the Territory, and who should report annually to Congress.

An examination of the reports of the commissioner of schools and of the governor of the Territory reveals the fact that the public-school system of Utah falls far short of what it should be, that not more than one-half the children in the Territory attend them, and that not more than one-half of the expenses of the public schools are paid from public funds, the remaining half being raised by charges for tuition.

The outlook for the future is equally discouraging, for the Mormon leaders, who exercise their influence over five-sixths of the people, are now beginning to establish church schools in each "stake" or church district. Since the passage of the law in 1837 which forbids the use in school of the Book of Mormon or any other sectarian book, their opposition has become intensified. If any improvement is made in the public schools it must originate outside the Territory.



## DENOMINATIONAL SCHOOLS.

Quite a number of denominational schools have been established in the Territory by the different sects in the United States. Of these the Presbyterians have 33; the Congregationalists, 24; Methodists, 21; Roman Catholics, 6; Episcopalians, 6; Lutherans, 1; Baptists, 2; and Mormons, 6. The exact number of children attending these schools is not known, but it is estimated to be near 8,000. These schools, except those under Mormon control, would readily give place to a good system of common schools, conducted by competent teachers; it is thought that if the common schools were made entirely free, and if they did good work, the Mormon schools also would have to yield before them.

## SCHOOL LANDS.

The whole amount of land granted by Congress for the benefit of schools in the Territory is 46,080 acres; but as the value of these lands is much lowered on account of the scarcity of water, they are only worth about \$1.25 per acre, or about \$60,000 or \$75,000 as a whole.

## VERMONT.

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
Number of school districts.....	2,144	2,237	I.....93
Number of public schools.....	2,547	2,452	D.....95
Average number of days of schools.....	137	134.5	D.....2.5
Number of pupils of 5 to 20 years enrolled.....	68,453	68,558	I.....105
Average daily attendance.....	46,061	47,235	I.....1,174
Average number of days attended by each pupil enrolled.....	92	92.5	I.....0.5
Male teachers.....	479	473	D.....6
Female teachers.....	3,517	3,632	I.....115
Total number of teachers.....	3,996	4,105	I.....109
Teachers who have attended a Vermont normal school.....	554	546	D.....8
Teachers graduates of a normal school.....	404	382	D.....22
Average weekly wages of male teachers.....	\$9.30	\$9.21	D.....\$0.09
Average weekly wages of female teachers.....	5.23	5.33	I......10
Number of schools having 6 scholars or less.....	123	132	I.....9
Number of schools having more than 6 and less than 13.....	548	529	D.....19
Total school revenue.....	\$628,157	\$629,403	I.....\$1,246
Total school expenditure.....	640,274	634,004	D.....6,270
Paid for teachers' wages.....	473,309	478,929	I.....5,620
Paid to town superintendents (in addition).....	10,118	9,306	D.....812
Appropriations to normal schools.....	8,400	8,784	I.....384
Estimated private school attendance.....	6,972	6,726	D.....246

## NEW LEGISLATION.

A new school law was enacted by the general assembly in 1888 and approved by the governor November 27, to take effect immediately. It had been drafted with great care by a board appointed especially to that end.

The principal change was from town to county superintendency.

A new and more stringent system of examinations for teachers' positions was adopted, the examinations to be simultaneous and uniform, and conducted by the county supervisors.

Provision was made for an annual school census, giving the number of children of each year of age and the number of each year of age enrolled in the public schools. These facts are of prime importance in the study of any school system.

County uniformity of text-books was adopted, certain measures taken to equalize the revenues of the different districts of the several towns, the school year changed so as to end June 30, the school age changed from 6-20 to 6-18, and other alterations made.

## VIRGINIA.

[From Report for 1883-89 of State Superintendent John L. Buchanan.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
<b>ATTENDANCE.</b>			
White pupils enrolled.....	211,449	217,776	I.....6,327
Colored pupils enrolled.....	118,831	119,172	I.....341
Whole number enrolled.....	330,280	336,948	I.....6,668
White pupils in average daily attendance.....	124,994	129,907	I.....4,913
Colored pupils in average daily attendance.....	64,422	65,618	I.....1,196
Whole number in average daily attendance.....	189,416	195,525	I.....6,109
Percentage of white school population enrolled.....	61	63	I.....2
Percentage of colored school population enrolled.....	45	45	I.....
Percentage of white school population in average daily attendance.....	36	37.5	I.....1.5
Percentage of colored school population in average daily attendance.....	24	24.5	I.....0.5
Average term of schools, in months.....	5.95	5.96	I.....0.01
Average monthly enrollment per school.....	35	35	I.....
Average daily attendance per school.....	26	26	I.....
<b>SCHOOLS AND SCHOOLHOUSES.</b>			
Schools for white children.....	5,154	5,268	I.....114
Schools for colored children.....	2,115	2,142	I.....27
Whole number.....	7,269	7,410	I.....141
Number of schoolhouses.....	6,205	6,341	I.....136
Number built during the year.....	309	322	I.....13
<b>TEACHERS AND SALARIES.</b>			
White male teachers.....	2,361	2,294	D.....67
White female teachers.....	3,012	3,178	I.....166
Whole number.....	5,373	5,472	I.....99
Colored male teachers.....	1,010	964	D.....46
Colored female teachers.....	899	987	I.....88
Whole number.....	1,909	1,951	I.....42
Whole number of white and colored teachers.....	7,282	7,423	I.....141
Average number of years taught in public and private schools (per teacher):			
White.....		5.63	I.....
Colored.....		3.71	I.....
Average number of consecutive years taught present (or last) school (per teacher):			
White.....		3.04	I.....
Colored.....		2.41	I.....
Average monthly salary of men teaching.....	\$31.00	\$31.36	I.....\$0.36
Average monthly salary of women teaching.....	26.40	26.74	I......34
<b>FINANCIAL STATEMENT.</b>			
Expended for current purposes.....	\$1,389,242	\$1,431,388	I.....\$42,146
Expended for permanent improvements.....	169,111	189,421	I.....20,310
Whole amount expended.....	1,558,353	1,620,809	I.....62,456
Cost of education per month per pupil enrolled.....	.70	.70	I.....
Cost of education per month per pupil in average daily attendance.....	1.22	1.23	I......01

The State superintendent points out some of the defects of the public schools of Virginia, not for the purpose of showing that the system is unsatisfactory, but rather to make known in what respects he thinks the schools should and can be improved. The average monthly salary of teachers, the average length of the school term, the average daily attendance per school, and the average cost of education per pupil have varied very little for several years. There has been for a number of years a gradual but constant increase in the number of schools, enrollment, average daily attendance, number of teachers, and in the expenditures for school purposes. There were 5,803 white pupils and 3,633 colored pupils supplied with text-books at public expense.

## COMPULSORY SCHOOL LAWS.

It is to be regretted that the percentage of school population enrolled is so low, and especially that the average attendance is so small. In many of the counties the school term is not longer than twenty weeks. There is also great irregularity in the attend-

ance of pupils. The constitution of the State expressly permits the enactment of laws to prevent parents and guardians from allowing their children to grow up in ignorance. When it is considered how much has been spent in the erection of school buildings, and how much is annually expended for the payment of teachers' salaries and other educational purposes, and when it is considered how far the social and economical welfare of the State depends upon the education of its citizens, it seems but reasonable that some effort should be made to induce parents to grant their children the benefits of an education. Some authority will very probably be needed, because of the fact that education is least appreciated by those who stand in greatest need of it. So long, however, as public sentiment remains as it is, it would be difficult to enforce such a law.

#### SCHOOL FUNDS.

With the exception of a few hundred dollars, all the money expended for school purposes is raised by taxation. The whole amount was \$62,456 more than in the previous year. Nearly one-half of the school funds was derived from levies made by cities, counties, and districts. There is great need of additional funds to lengthen the school term and to increase the salaries of teachers, for it can not be expected that teachers of a high order will be content with an annual salary of \$150 or \$175; but, on account of the financial difficulties of the State, it is impossible to increase the rate of taxation, especially in the rural communities.

#### TEACHERS.

There are many teachers in Virginia who will compare very favorably with those in any section of our country in all that constitutes an adequate moral and intellectual equipment for the schoolroom. In intellectual force, in scholastic attainments, in general culture, in elevated personal character, in tact, energy, earnestness, and enthusiasm, and in a clear comprehension of the great ends to be reached by education, there are many entitled to high rank. There are many who, at no inconsiderable sacrifice, readily avail themselves of every means and every opportunity within their reach to improve themselves in their profession. But there is another class of teachers quite different from the one just described. Many of them are incompetent and careless, and only think of the pay to be received. It would be well if a larger number of persons who had received a collegiate or higher education than that given in the public schools were employed. At present only 1,030 out of 7,423 teachers are graduates of incorporated institutions. A collegiate education "broadens the mental horizon, gives higher ideals, elevates character, tone, and purpose." To obtain the higher education, however, requires several years of study and the outlay of considerable money. Those who have made these sacrifices can usually obtain positions paying much better salaries than those of teachers.

As States become more thickly populated and their citizens better educated the proportion of female teachers increases. The delicate sensibilities and sympathetic nature of woman render her peculiarly fitted for taking charge of small children, and it is often found that she can discharge the duties of more responsible positions equally well.

#### SUPERVISION.

It is a recognized fact that in many of the schools the teachers are incompetent or inexperienced, that they are unacquainted with the new and improved methods, and that the children can not there acquire high ideals of school work. It is impossible to obtain a full supply of efficient and intelligent teachers under existing conditions. There are two normal schools for white teachers and two for colored teachers, but these can not at all supply the necessary number, even if they were entirely devoted to training teachers for their special work. It is possible, however, to obtain a full supply of competent supervisors. Although some persons seem to regard the work of supervisors as of little advantage, there can be but little doubt that a capable, active, and skillful county or city superintendent can do much towards elevating and improving the schools in his charge. It is very important that he should have had some experience as a teacher himself. In counties where there are more schools than one person can supervise, inspectors might be appointed to visit a number of schools.

#### PHYSIOLOGY AND HYGIENE.

It is recommended that instruction in physiology and hygiene be given in the schools, as it is very important that children should know something of the structure of the human body, and how it can be kept in a condition of health and vigor. Many of the



teachers employed at present would not be qualified to give such instruction, but if it were included among the subjects of examination they would soon become acquainted with it. The instruction should not be given entirely from text-books, but by familiar talks upon important subjects connected with the preservation of health.

## COURSE OF STUDY.

In some of the States there has been adopted a uniform plan for the organization and classification of ungraded schools, as well as a regular, systematic, and progressive course of studies for each grade. By this arrangement teachers can enter upon their work by a uniform plan, and there will be a continuous progression of pupils from year to year without regard to changes of teachers.

## ARBOR DAY.

In twenty-six States and Territories Arbor Day is now observed, and in seven others the school officers will bring the subject to the attention of the legislatures. The observance of such a day would be of great value in different ways. Many trees would be planted about schoolhouses and at the homes of pupils, children would be instructed as to what kinds of trees it is best to plant and how to plant them; but, what is better, their attention would be called to the importance of preserving forests and to the benefits to be derived from them.

## WASHINGTON.

[From Report for 1888-89 of Superintendent J. H. Morgan.]

## STATISTICAL SUMMARY.

	1887-88.	1888-89.	Increase or decrease.
POPULATION AND ATTENDANCE.			
Children of school age.....	59,833	72,723	I.....12,890
Number enrolled in public schools.....	38,673	46,751	I.....8,078
Average daily attendance.....	25,235	29,247	I.....4,012
Average term of schools, in months.....	4.6	4.6	.....
TEACHERS AND SALARIES.			
Number of men teaching.....	455	536	I.....81
Number of women teaching.....	830	813	D.....17
Whole number.....	1,285	1,349	I.....64
Average salary of men per month.....	\$45.69	\$47.66	I.....\$1.97
Average salary of women per month.....	37.80	39.67	I.....1.87
SCHOOLHOUSES.			
Number built during the year.....	106	126	I.....20
Whole number of schoolhouses.....	926	1,044	I.....118
Estimated value of schoolhouses.....	\$722,388	\$1,094,462	I.....\$372,074
EXPENDITURES.			
Teachers' salaries.....	\$239,588	\$314,594	I.....\$75,006
Sites, buildings, and furniture.....	66,753	272,900	I.....206,147
Rents and repairs.....	16,695	21,123	I.....4,428
Fuel and other expenses.....	36,963	46,494	I.....9,531
Total expenditures.....	364,723	655,111	I.....290,388

In order to afford some idea of the educational progress made in Washington, Superintendent J. H. Morgan reports the statistics of different years from 1872 to 1889; but while it may be necessary to return to that year to secure sufficiently long steps or strides in educational data to satisfy enthusiasts of Washington, whose energies are bent upon securing a fortune in the time ordinarily spent in erecting a good school building, and who expect the school system to keep pace with the rapid material progress of the newly-created State, it is only necessary to compare the statistics of 1887 with those of 1889 to satisfy conservative citizens. Even then we find that some of the most important items have doubled, and others more than doubled. In 1887 the whole amount spent for school purposes was, in round numbers, \$300,000; in 1889 it was

\$600,000. In 1887 the value of the schoolhouses was \$500,000; in 1889 it was \$1,000,000. In the same time the number of children of school age increased from 47,000 to 72,000, the enrollment from 32,000 to 46,000. As the school population and enrollment are increasing so rapidly it is necessary that the other items show a corresponding increase; otherwise there would be a retrogression in the privileges of the individual pupils. As the public-school lands are now available, a large annual income may hereafter be expected from this source.

One difficulty heretofore has been to find a sufficient number of experienced and capable teachers. Many of those who were qualified were making the position a mere stepping stone to something better, while others were not qualified. This difficulty is being rapidly overcome, however, as is shown by the report of many county superintendents that there was a scarcity of competent teachers in the early part of the year but that during the summer a great many arrived from the Eastern States. There are other ways in which this scarcity can be overcome, as the requiring teachers to attend institutes, reading school journals, refusing to issue a third-grade certificate to a person the second time, forming teachers' reading circles, and raising the standard of examinations.

The county superintendents report that the law requiring the teaching of temperance and hygiene is very fully and cheerfully complied with, but that the compulsory attendance law has no effect whatever.

## CONSTITUTIONAL PROVISIONS OF THE STATE OF WASHINGTON RELATING TO EDUCATION.

### ARTICLE VI.—*Elections and elective rights.*

SEC. 2. The legislature may provide that there shall be no denial of the elective franchise at any school election on account of sex.

### ARTICLE IX.—*Education.*

SECTION 1. It is the paramount duty of the State to make ample provision for the education of all children residing within its borders, without distinction or preference on account of race, color, caste, or sex.

SEC. 2. The legislature shall provide for a general and uniform system of public schools. The public-school system shall include common schools and such high schools, normal schools, and technical schools as may hereafter be established. But the entire revenue derived from the common-school fund and the State tax for common schools shall be exclusively applied to the support of the common schools.

SEC. 3. The principal of the common-school fund shall remain permanent and irreducible. The said fund shall be derived from the following-named sources, to wit: Appropriations and donations by the State to this fund; donations and bequests by individuals to the State or public for common schools; the proceeds of lands and other property which revert to the State by escheat and forfeiture; the proceeds of all property granted to the State, when the purpose of the grant is not specified or is uncertain; funds accumulated in the treasury of the State for the disbursement of which provision has not been made by law; the proceeds of the sale of timber, stone, minerals, or other property from school and State lands other than those granted for specific purposes; all moneys received from persons appropriating timber, stone, minerals, or other property from school and State lands other than those granted for specific purposes, and all moneys other than rental recovered from persons trespassing on said lands; 5 per cent. of the proceeds of the sale of public lands lying within the State which shall be sold by the United States subsequent to the admission of the State into the Union, as approved by section 13 of the act of Congress enabling the admission of the State into the Union; the principal of all funds arising from the sale of lands and other property which have been and hereafter may be granted to the State for the support of common schools. The legislature may make further provisions for enlarging said fund. The interest accruing on said fund, together with all rentals and other revenues derived therefrom and from lands and other property devoted to the common-school fund, shall be exclusively applied to the current use of the common schools.

SEC. 4. All schools maintained or supported wholly or in part by the public funds shall be forever free from sectarian control or influence.

SEC. 5. All losses to the permanent common-school or any other State educational fund, which shall be occasioned by defalcation, mismanagement, or fraud of the agents or officers controlling or managing the same, shall be audited by the proper authorities of the State. The amount so audited shall be a permanent funded debt against the State in favor of the particular fund sustaining such loss, upon which not less than 6 per cent. annual interest shall be paid. The amount of liability so created shall not be counted as a part of the indebtedness authorized and limited elsewhere in this constitution.

### ARTICLE XIII.—*State institutions.*

SECTION 1. Educational, reformatory, and penal institutions; those for the benefit of blind, deaf, dumb, or otherwise defective youth; for the insane or idiotic; and such other institutions as the public good may require, shall be fostered and supported by the State, subject to such regulations as may be provided by law. The regents, trustees, or commissioners of all such institutions existing at the time of the adoption of this constitution, and of such as shall thereafter be established by law, shall be appointed by the governor, by and with the advice and consent of the senate; and upon all nominations made by the governor the question shall be taken by the yeas and noes and entered upon the journal.



ARTICLE XVI.—*School and granted lands.*

SECTION 1. All the public lands granted to the State are held in trust for all the people, and none of such lands, nor any estate or interest therein, shall ever be disposed of unless the full market value of the estate or interests disposed of, to be ascertained in such manner as may be provided by law, be paid or safely secured to the State; nor shall any lands which the State holds by grant from the United States (in any case in which the manner of disposal and minimum price are so prescribed) be disposed of except in the manner and for at least the price prescribed in the grant thereof, without the consent of the United States.

SEC. 2. None of the lands granted to the State for educational purposes shall be sold otherwise than at public auction to the highest bidder. The value thereof, less the improvements, shall, before any sale, be appraised by a board of appraisers, to be provided by law. The terms of payment also to be prescribed by law, and no sale shall be valid unless the sum bid be equal to the appraised value of said land. In estimating the value of such lands for disposal, the value of improvements thereon shall be excluded: *Provided*, That the sale of all school and university land heretofore made by the commissioners of any county or the university commissioners, when the purchase price has been paid in good faith, may be confirmed by the legislature.

SEC. 3. No more than one-fourth of the land granted to the State for educational purposes shall be sold prior to January 1, 1895, and not more than one-half prior to January 1, 1905: *Provided*, That nothing herein shall be so construed as to prevent the State from selling the timber or stone off of any of the State lands in such manner and on such terms as may be prescribed by law: *And provided further*, That no sale of timber lands shall be valid unless the full value of such lands is paid or secured to the State.

SEC. 4. No more than one hundred and sixty acres of any granted lands of the State shall be offered for sale in one parcel, and all lands within the limits of any incorporated city or within two miles of the boundary of any incorporated city, where the valuation of such lands shall be found by appraisement to exceed one hundred dollars per acre, shall, before the same be sold, be platted into lots and blocks of not more than five acres in a block, and not more than one block shall be offered for sale in one parcel.

SEC. 5. None of the permanent school fund shall ever be loaned to private persons or corporations, but it may be invested in national, State, county, or municipal bonds.

## WISCONSIN.

## NEW LEGISLATION.

Among the laws of 1889 relating to the public schools are the following:

1. Authorizing school boards to purchase and place in each schoolroom a flag of the United States, and to provide for its preservation.
2. Authorizing the State superintendent (a) to prescribe rules for management of school libraries; (b) to publish and distribute circulars, bulletins, and courses of study for ungraded and for high schools, with needed comments thereon.
3. Amending the town-school library law; (a) authorizing town treasurers to withhold an amount equal to 10 cents for each person of school age in the town; (b) authorizing town clerks to purchase books with the money withheld by town treasurers from the school-fund income; (c) providing per diem for town clerks for time spent in connection with school libraries; (d) authorizing the State superintendent to suspend the law in any town for any year.
4. Forbidding the enumeration in school districts of any child residing in or held or cared for at any charitable or penal institution in the State, and authorizing the State superintendent to take special means to prevent such enumeration.
5. Making provision for annual distribution of 5,000 mounted railroad maps of the State among the public schools.
6. Repealing the provision requiring the school districts applying for a loan from the trust funds of the State to vote a tax equal to one-half of the loan applied for, to be collected in two years.
7. Authorizing the governor annually to designate a day to be observed as a tree-planting or Arbor Day.
8. Authorizing the State superintendent to appoint a supervisor of free high schools to assist in organizing and inspecting such schools.
9. Appropriating \$1,000 annually to maintain a summer school for teachers in connection with the University of Wisconsin.
10. Providing that the full sum of \$50,000 may be annually used in maintaining free high schools.
11. Providing for compulsory attendance at school of children between seven and fourteen years of age for at least twelve weeks annually, and relating to employment of such children.

This law is given in full on pp. 507-9.



## CHAPTER XXIV.

### REPORT OF THE GENERAL AGENT OF EDUCATION FOR ALASKA TO THE TERRITORIAL BOARD.

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LETTER TRANSMITTING THE REPORT OF THE GENERAL AGENT TO THE COMMISSIONER  
OF EDUCATION.

TERRITORIAL BOARD OF EDUCATION.

*Sitka, Alaska, December 16, 1889.*

SIR: The Territorial board of education in Alaska has the honor of transmitting to you the annual report for 1888-89 of the general agent of education in Alaska, with the following recommendations:

First. That the Territorial board be authorized to appoint at their discretion local school committees, and that the present methods be so changed that the local and incidental expenses of the schools can be audited by the local committees, and that salary vouchers can be paid upon the certification of the general agent, or, in his absence, of the district superintendent, that the service has been rendered according to the agreement.

Second. That the United States Commissioner of Education be recommended to contract with some missionary society for the establishment of a boarding school at Point Hope, Alaska.

Third. The Territorial board of education, at their session August 30, 1889, having recommended the appointment of a district superintendent for the Sitka district, do hereby recommend to the United States Commissioner of Education as a suitable person for that position the name of the Hon. James Sheakley, United States commissioner at Fort Wrangell, and a member of this board. And the board further recommends that his salary be \$400 per annum, together with necessary traveling expenses.

Fourth. The Territorial board of education, considering it important that the general agent should visit San Francisco and Washington for the furtherance of Alaska educational and other interests, do hereby request of the United States Commissioner of Education that his necessary traveling expenses be allowed.

Fifth. That the United States Commissioner of Education be recommended to contract with the Moravians for the establishment of a school at Togiak, Alaska.

Sixth. That the United States Commissioner of Education be recommended to establish schools and erect school buildings at Belkofsky, Yakutat, Prince William Sound, and some point on Cook's Inlet, to be hereafter selected.

By order of the board.

LYMAN E. KNAPP,  
*President.*

SHELDON JACKSON,  
*Secretary.*

Hon. W. T. HARRIS,  
*United States Commissioner of Education.*

## REPORT.

DEPARTMENT OF THE INTERIOR, U. S. BUREAU OF EDUCATION,  
OFFICE OF GENERAL AGENT OF EDUCATION,  
Sitka, Alaska, June 30, 1889.

## To the TERRITORIAL BOARD OF EDUCATION:

SIRS: I have the honor of submitting the following report of the schools of Alaska for the year ending June 30, 1889:

There are in the district of Alaska fourteen day schools supported wholly by the Government, four boarding schools aided by the Government, and a number of mission schools carried on by different religious organizations.

From one of the public schools (Unga) no report has been received. The other thirteen report a total enrollment of 1,040 pupils.

From two of the contract schools no reports have been received. The other two report a total enrollment of 195.

No reports have been received from the mission schools.

It is estimated that there are 1,500 children in the schools of Alaska. The total population under twenty-one years of age is estimated at 12,000.

## GOVERNMENT DAY SCHOOLS.

In the Unalaska district there is but one public school, that of Unga.

This promising school has been without a teacher for the past year.

On the 26th of May, 1888, Mr. W. A. Baker, of New Bethlehem, Pa., was appointed teacher at Unga. On the 30th of June, 1888, Mr. Baker having declined to accept, Mr. John A. Tuck, of Middleton, Conn., was appointed in his place. By the time Professor Tuck received notice of his appointment it was too late to reach San Francisco in time to take the last boat of the season for Unga.

*Kodiak district.*

In the Kodiak district are situated the two schools of Kodiak and Afognak.

*Kodiak.*—W. E. Roscoe, teacher. Total enrollment, sixty-eight. The average attendance is much larger than the preceding year and with the more regular attendance has come an increased interest in their studies on the part of the pupils.

The school is graded in accordance with the California system.

Professor Roscoe has availed himself of the preference of the children for the study of geography to combine with it lessons in language, writing, and spelling.

Frequent talks are had concerning different countries, their natural phenomena, products, people, customs, etc.

Sentence building is carefully taught from the first to the fourth reader, and the improvement in language is very rapid.

Object and picture lessons are in daily use. Spelling down and recitations are occasional amusements.

This school, like all the others, greatly needs a set of good wall maps.

It also needs a suitable school building, the erection of which has been recommended by the Territorial board of education.

*Afognak.*—James A. Wirth, teacher. This school has doubled, and during some months trebled the average attendance of the corresponding months of last year.

The total enrollment has increased from twenty-four to fifty-five. If the schoolroom had been larger and more comfortable there would have been a much larger increase.

Some of the boys have made such progress that they can carry on any ordinary conversation in English. This obviates the further use of the Russian and Aleut languages by the teacher.

The great drawback to the school has been the want of a comfortable room for school purposes. During the coming year I trust this difficulty may be obviated, as steps are being taken for the erection of a school building.

We greatly regret to announce that, owing to the state of his wife's health, Professor Wirth has felt compelled to tender his resignation.

By his ability as a teacher, his knowledge of the languages of the people, his tact and patience, he has overcome many of the difficulties incident to the establishment of a school in a region so remote that it has but two or three chance mails during the year, and among a people who have not yet learned to appreciate the advantages of an education. With absolutely no help from the parents, he has created such an interest among the pupils that they have attended school from the love of it.

*Sitka district.*

*Haines.*—F. F. White, teacher. Total enrollment, 128. An unusual number of heathen feasts during the winter greatly interfered with the regularity of the attendance.

It is to be hoped that the Missionary Society of the Presbyterian Church, which has good buildings at Haines, will send a missionary there at an early date. A Government teacher and a missionary working together in the large Chilkat tribe would be of great assistance to one another. The Presbyterian Board of Home Missions has given the Government the free use of their school building.

*Juneau No. 1.*—Miss Rhoda A. Lee, teacher. The present has been the most successful year in the history of the school. The total enrollment increased from twenty-five to thirty-six, and the average attendance from nineteen to twenty-three.

*Juneau No. 2.*—Miss Alice R. Hill, teacher. The total enrollment of the school decreased from sixty-seven last year to fifty-eight this. The average attendance, however, increased from twenty-seven to thirty-three. The pupils that were the most regular in their attendance and made the greatest advancement in their studies were those connected with the excellent mission home conducted by Rev. E. S. Willard and helpers. Juneau will soon need an additional building.

*Dougllass City.*—Mrs. Anna Moore, teacher. The enrollment numbers ninety-four as against sixty-seven for 1887-88.

The progress of the school has been more or less hindered by race prejudices.

As by far the largest attendance was by native children, the whites petitioned for a separate school for their own children. As the appropriation was too small and the number of white children too few to justify the expense of an additional teacher, an arrangement was effected and instructions issued for the white children to attend school in the forenoon and the native children in the afternoon, thus having two separate schools with but one teacher.

This did not prove a very great success (the average attendance of white children being six and a fraction), and the Territorial board of education has recommended for the coming year two teachers.

During the summer of 1888 the Society of Friends erected a good school building, the use of which has been kindly furnished the Government without cost.

*Killisnoo.*—Miss May Ransom, teacher. This school has moved along quietly during the year. Owing to the financial difficulties of the Fish Oil Works fewer families have remained in the place, and the consequent attendance at school has decreased.

*Sitka No. 1.*—Miss Mary Desha, Mr. Andrew Kashevarof, and Miss Cassia Patton, teachers. Miss Desha taught from September to January, when, receiving an appointment in the Pension Office, she resigned and removed to Washington.

Miss Cassia Patton, of Cochran, Pa., was appointed to succeed her. Mr. Andrew Kashevarof was employed from the middle of January until Miss Patton's arrival, the middle of February. Total enrollment for the year, sixty-seven. The success of the school during the year has been most gratifying to the parents of the pupils and to the friends of education generally.

*Sitka No. 2.*—Miss Virginia Pakle, teacher. Total enrollment, fifty-one. With an obligatory-attendance law properly enforced the enrollment ought to be 100 or more.

During the year a plain but substantial and pleasant school building has been erected at an expense of \$1,400.

*Wrangel.*—Miss Lyda McAvoy Thomas, teacher. Total enrollment, ninety. This model school continues to improve year by year.

*Klawack.*—Rev. L. W. Currie and Mrs. M. V. Currie, teachers,

The school year opened with sorrow in the death of Mr. Currie, who was the first and only teacher the school had ever had.

Mr. Currie was a native of North Carolina, a graduate of Hampden-Sidney College and Union Theological Seminary, Virginia. He gave his life to Indian education.

He did valuable work as teacher among the Choctaw Indians, and when a call came for some one to go to a remnant of Indians in Southeastern Texas that were in danger of extinction he went to them. While there his schoolhouse was burned and his life threatened. To escape the malaria incident to a long continued residence in that section he came to Alaska and took charge of the newly opened school at Klawack under circumstances of great heroism. Far away from any officer of the law he battled alone against intemperance and witchcraft. Upon one occasion four men attempted to carry away one of his pupils (a girl) on the charge of witchcraft. Mr. Currie rescued her, keeping her at his house. A few days afterwards they returned, reinforced by a party of Hydahs, on another attempt to get possession of her. While some of them vehemently claimed her, others stood near the missionary with open knives. Finally the brother of the girl was intimidated into paying a ransom for her. This Mr. Currie could not prevent, but the girl at least was saved.



Mrs. Currie, being herself a teacher of long experience, was appointed to her husband's place. Her isolation from all companionship (she was the only white woman in the place, and for eleven months looked into the faces of but two white women), the absence of any officer to enforce law or look after the peace of the community, the prevalence of drunkenness, witchcraft, and other heathen practices, greatly interfered with the efficiency of the school. This is one of the most difficult places to conduct a school in all Southeastern Alaska, and needs a strong, self-reliant, energetic man for teacher. Such a one the board of education hope to secure.

Mrs. Currie, with true Christian heroism, unflinchingly remained at her post until the close of the school year, when she resigned to return to her friends in the east.

*Howkan*.—Miss Clara A. Gould, teacher. This excellent school, with an enrollment of 105, continues to maintain its reputation for efficiency.

*Metlakahla*.—Teachers, William Duncan, with a corps of native assistants. Total enrollment, 172. This coming year Mr. Duncan confidently expects to have a boarding school for boys and another for girls under way.

#### SCHOOLHOUSES.

During the year a school building was erected for the use of Sitka School No. 2. Buildings have also been voted for Douglas City, Kodiak, Afognak, and Karluk.

#### CONTRACT SCHOOLS.

*Anvik*, on the Yukon River, 580 miles from St. Michael. A mission station and school supported by the Missionary Society of the Protestant Episcopal Church. Teachers, Rev. Octavius Parker and Rev. John W. Chapman.

The school being 3,844 miles from San Francisco, its post-office, and receiving but one mail a year, our latest report is dated June 1, 1888, and the statistics embodied in this report are those for 1887-88.

School opened August 1, 1887, with an average daily attendance of eight. Two boys have had sixty lessons in the first reader. Four or five other boys have broken the back of reading, and there is an army of stragglers who come in more or less frequently, and out of whom perhaps half a dozen could be drawn, boys and girls, who have a genuine and growing interest in the work of the school, and whose attendance is growing more regular. Several boys are writing in a fair, legible hand, and three can now write out their reading lessons in script without referring to a script alphabet. Two, the most advanced, aged about eleven years, can write from dictation several of the first lessons with perfect accuracy, and can now understand the meaning of the greater part of what they read, and are talking English a little. They have been taught to analyze words phonetically, and when the teacher wants native words he can get them pronounced in a scientific manner.

The total enrollment of pupils was fifty. A steam saw-mill is now en route for the mission and will be the first of the industries established in connection with the school.

*Bethel*, on the Kuskokwim River, 150 miles from its mouth. Teachers, Rev. John H. Killbuck and wife and Rev. E. Weber. This season Mrs. Sarah Bachman and Miss Carrie Detterer have been sent out to the same station. Mrs. Bachman is the wife of one of the bishops of the Moravian Church and goes out to spend a year in the work.

Bethel is 3,029 miles from San Francisco, its post office, and has but one mail a year.

The latest statistics received are those for 1887-88 and September, 1888. Total enrollment for 1887-88, seventeen. Largest monthly average, fifteen. Enrollment for September, 1888, nineteen boarding pupils.

This school is under the care of the Moravian Church of the United States.

The teachers experience a threefold difficulty in teaching English. First, their own limited knowledge of the native tongue, making it difficult to convey their meaning to the children; second, the absence of English-speaking people in that section; and third, the native disinclination to speak a foreign tongue.

However, the teachers are encouraged at the perceptible improvement of their pupils over last year.

*Carmel*, at the mouth of the Nushagak River. This school is also under the care of the Moravian Church.

Teachers, Rev. and Mrs. F. E. Wolff and Miss Mary Huber. To these has recently been added the Rev. John Herman Schoechert, of Watertown, Wis.

Although Carmel is 2,902 miles from San Francisco, its post-office, the location of several salmon canneries in the neighborhood, with the consequent arrival and departure of schooners carrying supplies, gives it several mails during the summer. Hence the school statistics of the present year have been received. Total enrollment twenty-five.

School opened on the 27th of August, 1888, with an increased attendance over last year. In order to give the children from Nushagak, Togiak, and other neighboring villages an opportunity of attending school a large barabara has been built. (This is a native sod house partly underground.) In this house the children from a distance are lodged and fed. They are allowed to go home each Friday night, returning to school on the following Monday morning.

*Sitka Industrial Training School.*—Under the care of the Board of Home Missions of the Presbyterian Church. Teachers and employes, Prof. Wm. A. Kelly, superintendent; Rev. Alonzo E. Austin, chaplain; Mr. H. H. Lake, boot and shoe shop, also teacher of cornet band; ———, carpenter shop; Donald Austin (native), assistant carpenter; R. E. Henning, M. D., physician; Miss Anna R. Helsey, matron of the girls; Mrs. A. E. Austin, matron of the boys; Mrs. J. G. Overend, matron of the hospital; Miss Kate Rankin, kitchen, dining room, and bakery; Miss Grace Ashby, teachers' messenger; Mrs. S. S. Winans, sewing room; Mrs. Tillie Paul (native), assistant in sewing room; ———, steam laundry; Miss Ida M. Rogers, schoolroom; Miss Carrie Delph, schoolroom; William Wells (native), interpreter; Kate, Jennie, Lottie, Ruth Albany, native assistants; Josephine, Russian interpreter. During the year the school enrolled 170 pupils, of whom 64 were girls and 106 boys.

Of the boys 17 received instruction and practice in the shoe shop, 20 in the carpenter shop, 4 in the blacksmith shop, 6 in the bakery, and several in the steam laundry.

From 25 to 30 boys have had instruction and practice in the cornet band. Two boys have been sent east to Captain Pratt's Indian School at Carlisle, Pa., one to learn the printers' trade and the other tinsmithing, and 4 of the girls of the school have been sent to Northfield, Mass., to be trained as teachers. The girls are at the expense of Mrs. Elliott F. Shepard, of New York City.

The boys in the shoeshop have made 117 pairs of boys' nailed shoes, 93 pairs of sewed shoes, 27 pairs of girls' sewed shoes, 9 pairs of fine sewed shoes for teachers and others; they also have half-soled 718 pairs of shoes, and put on 327 heels and 515 patches.

The carpenter boys have erected 4 houses, besides repairing buildings and furniture.

The boys in the steam laundry have averaged 1,000 pieces of clothing a week, and the boys in the bakery have made into good bread 900 pounds of flour per week.

Three of the boys during the winter netted a large fishing seine, and one has done some good cooping.

Arrangements are under way for the establishment of a steam sawmill and planer as one of the regular industries of the school.

Last summer visitors presented the school with 21 brass instruments, and a band was organized among the pupils.

The North Star, a small illustrated monthly paper, has been regularly published in connection with the school.

Recently, in the absence of any Government reformatory, the United States district court of Alaska, Judge Keatly presiding, placed a boy and girl in the school.

Extensive improvements have been made this summer by the boys on the grounds of the institution.

The mission board and their employes, in connection with the school, are sparing no pains or labor to increase the efficiency and usefulness of the institution, and are encouraged by a manifest advance from year to year.

The school is not only molding and lifting up the pupils directly under its care, but also their parents and friends.

It is also forming a public sentiment which indirectly helps every school in the Territory. During June, July, and August, when the steamers come crowded with tourists, all the other schools are closed for vacation, and until the visitors reach Sitka they see the native children only in their dirt and filth, so that the impression is formed that nothing can be done with them.

To correct this unfavorable judgment and demonstrate that the natives are capable of civilization and education, the superintendent of the school, upon the arrival of each steamer, sends the tourists an invitation to visit the institution. The pupils are called together for recitations, singing, and other exercises. The strangers are shown over the buildings and taken into the workrooms, etc. The result is that these visitors from every section of the land carry to their homes and tell to their friends what their eyes have seen of the progress of Alaskan children in the schools.

These testimonies create a favorable and growing public sentiment, that finds expression in the annual Congressional appropriation for education in Alaska.

#### OTHER SCHOOLS.

*The Alaska Commercial Company*, in accordance with its lease of the seal islands, maintains schools upon the islands of St. Paul and St. George. As their report is made directly to the Secretary of the Treasury, no statistics are received at this office.



The Russian Government, through the medium of the *Russo-Greek Church*, is reported as having seventeen parochial schools. These have largely been taught in the Russian language. It is said that their bishop has issued instructions to all the priests and teachers to use the English language. While for the first few years the teaching in English by teachers themselves learning the language will not be very efficient, it yet marks a step forward, and gives the promise of better things in the future.

In the annual report of the governor for 1888 it is stated that the Greek churches and parochial schools in Alaska cost the Russian Government \$30,000 annually.

*The Roman Catholic Church*, with headquarters and bishop's residence at Victoria, British Columbia, have a school at Juneau, and claim two in process of establishment upon the Yukon River, one at Kozzyrof, near Leatherville; and the other between Auvik and Nulato, and one at St. Michael, on Bering Sea. These are in charge of Jesuit priests.

*The Church of England* is reported to have a school at Nuklukahyet, on the Yukon River.

*The Free Mission Society of Sweden* has schools at Unalaklik, on Bering Sea, and Yakutat, at the base of Mount St. Elias. Owing to the inaccessibility of these schools and the absence of mail communications but little is known concerning them.

*The Presbyterian Church of the United States*, through its *Board of Home Missions*, has a flourishing day school, with a total enrollment of 155 pupils at, Hoonah.

This school is taught by Rev. and Mrs. John W. McFarland. It has also an excellent "home," with twenty-five boys and girls, at Juneau, under the admirable management of Rev. and Mrs. Eugene S. Willard, assisted by Miss Bessie Matthews and Miss Jennie Dunbar. This school is a feeder for the Industrial Training School at Sitka.

It has a second "home" at Howkan, with about twenty-five girls, in charge of Mrs. A. R. McFarland, so well and favorably known in the Church. At both of these "homes" the children are fed, clothed, cared for, and trained in household duties. For their literary training the children attend the Government day schools.

#### ADDITIONAL RULES ISSUED BY U. S. BUREAU OF EDUCATION.

*August 15, 1888.*—The governor of the Territory, the judge of the United States court, and the general agent of education in Alaska for the time being, with two other persons, to be appointed by the Secretary upon the nomination of the Commissioner of Education, shall constitute the board of education and the general agent of education shall be the secretary of said board, and shall keep the record of its proceedings. Three members shall constitute a quorum of said board.

*August 15, 1888.*—All missionary, boarding, or other schools conducted by private persons, or under the supervision of any of the Christian Churches, which shall receive aid and assistance from the Government, shall be subject to the visitation and inspection of the board of education, who shall have power to see that proper discipline is maintained and instruction given, and wholesome food and proper clothing and comfortable lodging furnished to the inmates of such schools.

*August 15, 1888.*—The board of education shall have power, and it shall be its duty, to prescribe courses of study for the several schools under its jurisdiction, and particularly to prescribe what shall be the extent and character of the industrial instruction to be given in any or all of said schools, and the teachers of said schools shall conform as nearly as practicable to the courses of study prescribed by the board. This rule shall include such schools as receive aid from the Government.

*August 15, 1888.*—Corporal punishment shall not be excessive, and shall be inflicted upon the pupils in attendance upon the public and other schools only in extreme cases, and then in moderation. Any teacher who shall violate this rule shall be subject to removal and loss of pay. The board of education will enforce this rule rigidly, and report all violations to the Commissioner of Education.

*August 15, 1888.*—Any action taken by the Territorial board of education under the preceding rules shall be subject to revision and approval of the Commissioner of Education.

*July 12, 1889.*—The term of the Government schools in the District of Alaska shall begin on the first school day in September and continue for the period of nine calendar months, ending on the last school day in May in each and every year, except when special provision is otherwise made.

*July 12, 1889.*—All schools supported by the Government shall be kept open each and every day during said period, except Saturday, Sunday, and the national holidays, which are Thanksgiving, Christmas, New Years, 22d February, and Decoration Day.

*July 12, 1889.*—The teachers in the Government schools will be elected for the nine calendar months of the school year, but may be suspended or removed before the expiration of said term, at the pleasure of the Territorial board of education, subject to the approval of the Commissioner of Education. Their salaries will be paid at the end of each month or every three months, as they may elect.



## ADDITIONAL RULES ADOPTED BY TERRITORIAL BOARD OF EDUCATION.

October 27, 1888.—From and after this date corporal punishment in the public schools of Alaska is entirely and wholly prohibited.

All religious services are prohibited in all the public schools of Alaska except Howkau, Klawack, Metlakahtla, Fort Wrangell, Juneau No. 2, and Haines.

October 31, 1888.—The regular meetings of the board shall be held on the second Monday of January and the first Monday of June and, annually.

June 17, 1889.—The term of the public schools in the district of Alaska shall begin on the first school day in the month of September and continue for the period of nine calendar months, ending on the last school day of May in each and every year, except when special provision is otherwise made. And each school shall be kept open each and every day during said period, except Saturday, Sunday, and the national holidays, which are, Thanksgiving, Christmas, New Years, 22d of February, Decoration Day, and 4th of July. All vacations on account of sickness or other cause shall be made up at the end of the term, provided the time of such vacation does not exceed one month.

TABLE I.—Attendance.

	September.		October.		November.		December.		January.		February.	
	Total.	Average.	Total.	Average.	Total.	Average.	Total.	Average.	Total.	Average.	Total.	Average.
Howkau.....	69	46	62	20	87	56	91	64	89	57	71	47
Klawack.....	27	15	31	21	22	11	6	5	16	11	22	15
Wrangell.....	36	30	49	40	59	48	55	47	38	31	26	21
Sitka No. 1.....	49	46	51	47	48	43	47	37	44	29	50	33
Sitka No. 2.....	21	16	27	20	37	34	41	32	44	34	46	32
Killsnoo.....	10	7	12	10	14	11	18	16	16	14	14	12
Juneau No. 1.....	27	21	23	17	22	18	29	23	22	19	24	21
Juneau No. 2.....	26	17	21	19	47	28	34	33	37	33	30	24
Douglass.....	37	14	40	16	38	20	52	20	34	17	26	14
Haines.....			43	5	76	13	71	15	64	11	49	6
Kodiak.....	44	23	44	29	52	35	49	30	52	25	50	34
Afognak.....	31	16	47	28	41	24	37	19	43	19	37	18
Carmel.....	17	13	20	14	20	17	19	18	19	16	19	17
Bethel.....	23	14	22	20	22	20	22	17	26	21	26	20
Anvik.....			24	7	27	15	30	15	30	17	23	18
Metlakahtla.....	118	50	162	124	166	124	162	116	162	116	157	84

	March.		April.		May.		Total enrollment for year.	Total number of children under 21 years of age.	Total population in neighborhood of school.
	Total.	Average.	Total.	Average.	Total.	Average.			
Howkau.....	53	31	36	25	43	33	105	134	275
Klawack.....	27	17	27	10	17	11	39	132	247
Wrangell.....	23	17	16	12	24	13	90	100	317
Sitka No. 1.....	47	35	47	33	49	41	67	503	1,281
Sitka No. 2.....	45	30	40	25	26	9	51	503	1,281
Killsnoo.....	18	15	12	10	22	16	22	200	550
Juneau No. 1.....	23	20	24	22	26	23	36	245	1,000
Juneau No. 2.....	33	29	30	24	20	19	58	245	1,000
Douglass.....	21	14	17	10	22	11	94	167	690
Haines.....	50	7	45	3	40	3	128	60	150
Kodiak.....	49	33	48	33	41	25	68	143	323
Afognak.....	36	17	37	17	34	17	55	146	321
Carmel.....	18	16	18	14	18	14	25	.....	200
Bethel.....	25	17	15	13	.....	.....	35	.....	100
Anvik.....	26	16	25	17	.....	.....	38	38	95
Metlakahtla.....	118	66	69	40	50	31	172	162	600

TABLE II.—*Number in sundry branches of study.*

	Primary charts.	First and Second Readers.	Third and Fourth Readers.	Spelling.	English language Lessons.	Geography.	Arithmetic.	Grammar.	Drawing.	Physiology.	Temperance Hygiene.	United States History.	Writing.	Use of tools.	Sewing.	Other studies.	Number of classes taught daily.
Howkan .....	30	38	33	34	42	9	23	9	91	15	15	4	91	.....	.....	.....	37
Klawack .....	11	15	4	27	.....	1	17	.....	17	.....	.....	1	17	.....	.....	1	17
Wrangell .....	27	33	14	59	14	23	59	.....	59	.....	33	.....	59	.....	31	33	14
Sitka No. 1.....	11	21	24	51	31	23	51	11	.....	18	40	9	51	.....	.....	.....	22
Sitka No. 2.....	27	19	1	26	26	14	26	.....	.....	.....	46	.....	37	.....	17	.....	10
Killisnoo.....	10	14	4	4	1	5	22	3	22	.....	1	2	22	.....	.....	.....	.....
Juneau No. 1.....	7	14	13	26	24	12	26	3	15	.....	9	4	26	.....	.....	.....	23
Juneau No. 2.....	29	19	5	33	5	.....	45	.....	.....	.....	1	3	45	.....	.....	.....	21
Douglass .....	34	10	9	18	.....	10	11	.....	.....	.....	1	3	24	.....	6	.....	30
Haines .....	58	45	3	41	50	4	76	.....	76	.....	4	.....	46	.....	.....	76	12
Kodiak .....	24	23	21	63	63	7	63	7	63	.....	21	.....	63	37	.....	.....	20
Afognak .....	31	20	5	25	.....	44	25	.....	45	.....	25	.....	48	.....	55	.....	.....
Carmel.....	21	11	2	19	20	.....	19	.....	.....	.....	.....	.....	20	.....	.....	.....	.....
Bethel .....	6	11	.....	11	17	.....	17	.....	17	.....	.....	.....	17	.....	3	4	.....
Anvik .....	22	8	.....	5	.....	2	30	.....	30	.....	.....	.....	30	.....	6	.....	12
Metlakahla.....	64	102	19	162	162	162	162	130	.....	.....	162	162	162	.....	.....	.....	.....

TABLE III.—*Officers and teachers, with their salaries.*

The following persons have been paid from the school fund:

Name.	Occupation.	Place.	Compensation.
Sheldon Jackson .....	General agent.....	Sitka .....	\$1,200
John H. Keatley .....	Board of education .....	do .....	200
A. P. Swineford .....	do .....	do .....	200
Lyman E. Knapp, in place of Mr. Swineford, resigned.	do .....	do .....	200
James Sheakley .....	do .....	Fort Wrangell.....	200
William Duncan .....	do .....	Metlakahla .....	200
Sheldon Jackson .....	do .....	Sitka .....	200
W. E. Roscoe .....	Teacher .....	Kodiak .....	*120
James A. Wirth .....	do .....	Afognak .....	*120
F. F. White .....	do .....	Haines .....	*120
Miss Rhoda A. Lee .....	do .....	Juneau No. 1.....	*80
Miss Alice R. Hill .....	do .....	Juneau No. 2.....	*80
Mrs. Anna R. Moon .....	do .....	Douglass .....	*80
Miss May Ransom .....	do .....	Killisnoo .....	*80
Miss Mary Desha (September to January) .....	do .....	Sitka No. 1.....	*100
Andrew Kashevorof (January) .....	do .....	do .....	*80
Miss Cassia Patton (February to June) .....	do .....	do .....	*100
Miss Virginia Pakle .....	do .....	Sitka No. 2.....	*80
Mrs. Lyda McAvoy Thomas .....	do .....	Fort Wrangell.....	*100
Mrs. M. V. Currie .....	do .....	Klawack .....	*80
Miss Clara A. Gould .....	do .....	Howkan .....	*100
Wm. Duncan and assistants .....	do .....	Metlakahla .....	†2,500

\* Per month.

† Per year.

TABLE IV.—*Teachers appointed for 1889-90, with salaries.*

The board of education at its semiannual meeting, June 14 to 19, 1889, appointed, subject to the approval of the U. S. Commissioner of Education, the following persons teachers for 1889-90:

Name.	Place.	Compensation.
Miss Clara A. Gould .....	Howkan .....	*\$100
H. S. Barrett, M. D. ....	Klawack .....	*80
Mrs. Wm. G. Thomas .....	Wrangell .....	*100
Miss Rhoda A. Lee .....	Juneau No. 1 .....	*100
Miss Cassia Patton .....	Juneau No. 2 .....	*80
Mrs. W. S. Adams .....	Douglass No. 1 .....	*80
Charles Edwards .....	Douglass No. 2 .....	*80
W. H. Reid .....	Haines .....	*80
Miss Virginia Dox .....	Hoonah .....	*100
Miss May Ransom .....	Killisnoo .....	*80
George E. Knapp .....	Sitka No. 1 .....	*100
Miss Gertrude Patton .....	Sitka No. 2 .....	*80
W. E. Roscoe .....	Kodiak .....	†1,000
John Duff .....	Afognak .....	†1,000
John H. Carr .....	Unga .....	†1,000
John A. Tuck .....	Unalaska .....	†1,000

\* Per month.

† Per year.

TABLE V.—*Grants to contract schools.*

The board of education at its semiannual meeting, June, 1889, recommended to the U. S. Commissioner of Education the following contract boarding schools:

Sitka Training and Industrial School .....	\$15,000
Metlakahla schools .....	3,000
Anvik (Episcopal) .....	1,000
Bethel (Moravian) .....	1,000
Carmel (Moravian) .....	1,000

TABLE VI.—*School buildings.*

New school buildings recommended by board of education:

Kodiak .....	\$1,200
Afognak .....	1,200
Karluk .....	1,200

TABLE VII.—*Estimate for the year 1890-91.*

School.	Salary of teacher.	Salary of assistant teacher.
Howkan .....	\$900	.....
Klawack .....	1,000	.....
Wrangell .....	900	.....
Juneau No. 1 .....	900	.....
Juneau No. 2 .....	900	\$720
Douglass No. 1 .....	900	.....
Douglass No. 2 .....	900	720
Haines .....	900	.....
Hoonah .....	600	300
Killisnoo .....	900	.....
Sitka No. 1 .....	900	600
Sitka No. 2 .....	900	600
Yakutat .....	900	.....
Kodiak .....	1,000	.....
Afognak .....	1,000	.....
Karluk .....	1,000	.....
Cook's Inlet .....	1,000	.....
Unga .....	1,000	.....
Belkofsky .....	1,000	.....
Nineteen day schools .....	17,500	2,940



Salaries of 24 teachers.....	\$20, 440	
Fuel for 19 day schools .....	4, 000	
Books and stationery .....	3, 000	
Desks and blackboards, etc.....	1, 000	
Sixteen policemen at \$15 per month.....	2, 160	
Support of 19 day schools .....		\$30, 600
Salary of general agent .....	2, 400	
Salary of superintendent of Sitka district.....	1, 200	
Salaries of school board.....	1, 000	3, 600
Traveling expenses.....	500	
		1, 500
School building at—		
Juneau .....	1, 200	
Douglass .....	1, 200	
Yakutat .....	1, 200	
Cook's Inlet .....	1, 200	
Belkofsky .....	1, 200	6, 000
Contract schools at—		
Sitka.....	20, 000	
Metlakahla.....	4, 000	
Unalaska .....	2, 000	
Carmel .....	2, 000	
Bethel .....	2, 000	
Anvik .....	2, 000	
Nuklukyet .....	1, 000	33, 000
Total .....		74, 700

## SUMMARY.

Support of 19 day schools with 24 teachers.....	\$30, 600
Support of 7 industrial boarding schools with from 40 to 45 teachers and employes.....	33, 000
Five new school buildings.....	6, 000
General agent, superintendent, and board of education.....	5, 100
	74, 700

*Office of general agent.*

The general agent at the beginning of the year, being unable to secure transportation from Sitka to the schools of western Alaska on the U. S. S. *Thetis*, that was making the trip, requested permission of the U. S. Commissioner of Education to proceed to San Francisco and take passage by the steamers of the Alaska Commercial Company. Permission not being granted, I have been unable to carry out the instructions of the honorable the Secretary of the Interior to visit all the schools at least once a year.

Indeed, for the want of transportation I have been unable to visit the schools of southwestern Alaska since I established them in 1886, and those on Bering Sea not at all. This has been greatly regretted both by myself and the teachers.

Also for want of transportation I have been unable to visit the schools at Howkan and Klawack, on Prince of Wales Island.

The schools at Sitka, Juneau, Wrangell, Douglass, Haines, and Killisnoo have been visited several times, and that of Metlakahla twice.

## RECOMMENDATIONS.

I have the honor to submit the following recommendations:

1. *An inspection of the schools of western Alaska by the general agent.*—In view of the fact that I have been unable to reach those schools for three years, and as the time has come for establishing new schools in that region, some of which have already been recommended by the Territorial board of education, and as it is probable that a Government vessel will be sent next summer to that section to convey Government officials, therefore it is recommended that the U. S. Commissioner of Education be respectfully requested to arrange for the transportation of the general agent.

2. *Change in supervision.*—In order that the general agent may for the next two or three years give the larger part of his time to developing the school work in Western Alaska, I would recommend the following change in section 4, division 2, of the rules and regulations for the conduct of education in Alaska, to wit: First, that the general agent be relieved for the coming year from the local superintendency of the Sitka district, and be given the local superintendency of the Kodiak and Unalaska districts. Second, that a district superintendent be appointed for the Sitka district.

3. *Permanent school fund.*—I would again renew my recommendations of 1886-87 and 1887-88, which recommendations were also indorsed by the Territorial board of educa-

tion, that the U. S. Commissioner of Education be respectfully requested to procure legislation from Congress permanently appropriating a sum of money for the education of the children of Alaska without distinction of race.

The present method of supporting the schools of Alaska by an annual appropriation from Congress is very unsatisfactory. As Congress one year voted \$25,000 and the second nothing and the third \$15,000, it can readily be seen that neither the school board nor the teachers can arrange for the schools until after Congressional action has been taken, nor until such action is had can they be sure that there will be any schools. And not only that, but some years the action of Congress is not known in Alaska until three months after the fiscal school year commences. A failure on the part of Congress any one year to make the necessary appropriation would close the schools, scatter Government property, and throw the teachers out of employment thousands of miles away from home and friends.

The disadvantages of the present system need but to be stated to be seen.

In the Western States and Territories the general land laws of the country provide that sections 16 and 36 in each township be set apart for the use of the schools in said States and Territories. In some of the States this has been a munificent endowment.

But Alaska has no townships and no surveyed lands and no law by which they can be surveyed. And when in course of time the general land laws are extended over it, the nature of the country and the peculiar climate and the requirements of the population will prevent to any great extent the laying out of the land in sections of a mile square. Thus while no school fund is practicable for years to come from the lands, the General Government derives a regular revenue from the seal islands and other sources, a portion of which could be used in the place of the proceeds of the sale of school lands.

4. *An obligatory attendance law.*—The operation of the obligatory attendance law which was enacted by the Territorial board of education and approved by the honorable the Secretary of the Interior in 1887, has been recently suspended by order of the United States Commissioner of Education.

In view of the importance of some suitable law for securing the more regular attendance at school of the children of Alaska, the Territorial board of education at its semi-annual meeting June 14-19 took the following action:

"Whereas it is the invariable experience of all who have been engaged or interested for years in the difficult task of attempting to educate and civilize the natives and creoles of Alaska that the greatest obstacles to success are, first, the want of adequate means of securing the regular and general attendance of the children of these people at the various Government schools and, second, the stolid indifference, superstition, and fear of change on the part of the greater number of the parents of such children; and

"Whereas experience has also demonstrated that wherever native policemen have been employed and paid heretofore a moderate compensation for gathering these children into the schoolrooms and thus compelling attendance, not only is the average attendance itself largely increased, but an interest in the progress of the pupils and the success of the schools themselves has been gradually and permanently created in those native and creole parents; and

"Whereas, the Government of the United States is annually appropriating large sums of money for the purpose of educating and civilizing these people and employing competent and zealous teachers for that purpose, who are making great sacrifices by enduring severe privations, general discomfort, and personal isolation among an alien and barbarous race of people: Therefore,

*Be it resolved by the Territorial board of education,* That the Hon. Lyman E. Knapp, the governor of the District of Alaska, is hereby requested and urged to embody in his forthcoming annual report to the Department of the Interior the suggestions we have made herein, with the recommendation that Congress take the subject of compulsory education of the natives and creoles of Alaska into consideration, and, in addition to making the usual appropriations for the schools of the District, add thereto such enactments as will compel the regular attendance of the pupils at such schools as are already established or may be hereafter provided."

I renew my recommendations of former reports on this subject.

5. *School police.*—With the granting of an obligatory attendance law, and even without it, the appointment of a native policeman in the native villages where schools exist, whose duty shall be to see that the children are in school, will greatly increase the present attendance.

I therefore recommend that an allowance of ten or fifteen dollars per month be allowed from the school fund for the employment of such men.

6. I recommend that the honorable the Secretary of the Interior be respectfully requested to ask Congress for an appropriation of \$75,000 for education in Alaska for the year ending June 30, 1891.

7. In 1887-88 the Territorial board of education recommended to the United States

Commissioner of Education that the salary of the general agent of education be increased to \$2,400 annually.

As nothing was done, I respectfully ask the board to renew the request.

In closing this report I can not permit to pass unchallenged the statement made by the president of the Territorial board of education, which appears on page 181 of the Annual Report of the Commissioner of Education, 1887-88, that my annual report for 1887-88 was recalled by the board of education in Alaska because of "a number of material inaccuracies in the report." My report for that year was regularly indorsed and approved by the board, ex-Governor Swineford not being present, on September 15, 1888, and forwarded to the Commissioner of Education.

At a meeting of the board on October 31, 1888, four members being present, Mr. Swineford delivered a tirade against the general agent of education, claiming that some of the statements of the annual report were false and demanding that the vote of approval be reconsidered. This demand was refused by the board. The report had been officially sent to the Commissioner, and could not be recalled, or changed, if recalled, except by my consent.

However, to give Mr. Swineford an opportunity of pointing out alleged falsehoods I consented to a resolution (and without my consent the resolution could not have been passed) asking the Commissioner of Education to send the board a certified copy of the report, which was done.

The report itself was not recalled, but remained in Washington, and was printed as usual in the appendix of the annual report of the U. S. Commissioner of Education as the regular official report of schools in Alaska.

At a subsequent meeting of the board, January 23, 1889 (the general agent being absent), although a certified copy of my report had been received from Washington, it was neither read nor considered, but Judge Keatley was directed to make out a "new report and transmit the same to the Commissioner of Education."

This was not a substitute for the report of the general agent, as no one could legally make that report but himself. It was not even a report on education in Alaska, because Judge Keatley had recently come into the Territory and had no personal knowledge of its school affairs at that time. With his usual good judgment he did not attempt a report, but confined himself mainly to some general statements with regard to a few of the schools in southeastern Alaska, and particularly the training school at Sitka, of which he had some personal knowledge. His report was never submitted to the consideration of or approved by a vote of the Territorial board of education. In making his reflections upon the report of the general agent he was evidently misled by the assertions of Mr. Swineford, which were never proven, and I take this first opportunity since the publishing of the report of 1887-88 to deny that the report of the general agent for that year contains "a number of material inaccuracies."

Very truly yours,

SHELDON JACKSON,  
*General Agent of Education for Alaska.*



## CHAPTER XXV.

### CITY SCHOOL SYSTEMS.

- A.—Remarks Relating to the Summary of City School Statistics and Supplementary Information—Differences in Local Organization—Reliability of School Statistics—Quantity of School Work Done in the City and in the Country Schools: The Proper Measure of School Work; Difference in the Quality of Work; Regularity of Attendance Greater in Cities; Number of Teachers and Their Salaries; Number and Value of Schoolhouses; Proportion of School Work Done by Cities (Table 1).
- B.—Remarks Relating to the Comparative Statistics, with Supplementary Information—Comparison of Statistics—Ratio of Total Enrollment to Population 6-14—Ratio of Aggregate Attendance to Population 6-14—Private and Parochial Schools; Reasons for Large Private School Attendance—Proportion of Pupils in High Schools—What Proportion of the Pupils Receive High School Instruction—Comparison of Ratios for the Last Three Years (Table 2).
- C.—Remarks and Supplementary Information Suggested by the Tables of Detailed Statistics—Number of Supervising Officers—Whole Number of Persons Employed in Instruction—Average Salary of Teachers—Text-books; Location of Cities Employing the Free Text-book System (Table 3)—The Wealth of Cities—High Schools: Number of High Schools Compared with Population; Distribution by Geographical Divisions of City Public High Schools (Table 4); Distribution by States of City Public High Schools (Table 5); Character of Instruction in High Schools; Sex of High School Graduates; Decreasing Proportion of Male Graduates; Number of Males and of Females Graduated from the High Schools of the Ten Largest Cities during 1860-64 Inclusive (Table 6); The Same during 1865-69 Inclusive (Table 7); The Same during 1885-89 Inclusive (Table 8)—Evening Schools: Falling off of Attendance; Unsatisfactory Condition of Evening Schools; A More Definite Plan Needed; The Length of the Evening School Term—Public Kindergartens: Large Cities which have avowedly Established the Kindergarten System (Table 9); Cities which have Established one or more Kindergartens, Mainly Experimental (Table 10).
- D.—Remarks Relating to the Tables of Comparative Statistics of Individual Cities.
- E.—Statistical Tables: Summary by States, of Population 6-14, Enrollment, Attendance, Teachers, High Schools, Accommodations, School Property, and Cost of Tuition (Table 11)—Summary by States of Comparative Statistics of Enrollment, Attendance, Teachers, and Accommodations (Table 12)—Summary by States of Comparative Statistics of Property and Expenditures (Table 13)—Statistics of Population and School Attendance and Enrollment in Individual Cities (Table 14)—Statistics of Supervising Officers, Teachers, Salaries, and Accommodations (Table 15)—Statistics of Public High Schools (Table 16)—Statistics of Evening Schools (Table 17)—Statistics of Property and Receipts (Table 18)—Statistics of Expenditures (Table 19)—Comparative Statistics of Enrollment, Attendance, Teachers, and Accommodations (Table 20)—Comparative Statistics of Property and Expenditures (Table 21)—List of Cities and Villages Concerning which no Information is at Hand.

#### A.—REMARKS RELATING TO THE SUMMARY OF STATISTICS OF CITY SCHOOLS (TABLE 11), AND INFORMATION SUPPLEMENTARY THERETO.

In the previous Reports of this Office it has been customary to include in the tables of summaries only those cities from which definite information was at hand. The table immediately following marks a departure from that method, in that it not only includes all the accurate data available, but also such estimates to supply deficiencies as may be regarded as reasonably reliable. The result desired is to secure a set of totals which will be totals in reality, and not the sum of results attained in a varying number of cities, leaving the rest unmentioned and unknown. The table is not without fault, but, inasmuch as all the cities are taken into account, it more nearly represents the sum of achievement of city schools than any similar table which has previously appeared.

The forthcoming federal census will probably show the number of cities and villages containing over 4,000 inhabitants to be somewhat greater or less than 768, the number included in the table, and if so, each item of the totals would be subject to correction. Numerous difficulties are experienced in perfecting the list of cities, and it may even now contain a few that do not possess the characteristics of cities to the extent necessary to their proper classification here, and it is equally true that some may have been omitted which have recently so grown and developed as to entitle them to be classified among urban communities.

## DIFFERENCES IN LOCAL ORGANIZATION.

Such are the differences in local organization and government in the several States that the question of population is far from being the only perplexing element with which it is necessary to contend in this connection. Among the peculiarities which appear and which often involve problems of considerable difficulty may be mentioned—

1. The village of Edgewater, N. Y., which has a population of about 10,000 in two independent "towns," is in three separate postal districts, not one of which bears the name of the village, and contains four school districts which have no direct connection with each other.

2. The cities of Florida, incorporated as cities, but whose schools are managed by county officers in the same way and upon the same basis as the adjacent rural schools.

3. Some Western cities, including Denver, Colo., which embrace three entirely independent school organizations among which the territory is divided.

4. A few Southern cities, notably Washington, D. C., which contain two full sets of school officers, working side by side, in the same field, but in behalf of different races.

5. Certain New England villages, which, though containing several thousand inhabitants and important business interests, have no legal status, save as parts of the "towns" in which they are situated. Many of these villages, unincorporated and amenable to the government of "town" or township officers, contain twice the population that would be expected in the South or the West to constitute a "city," with mayor and council, board of education, and all the other embellishments of a full grown municipality.

## RELIABILITY OF SCHOOL STATISTICS.

Such anomalies as these, and they are many, necessarily involve such varying methods of recording and reporting school data that it is not reasonable to hope for a strictly accurate summary of the conditions of education in all places that may be properly considered in a general way as cities, even if all forwarded reports as nearly correct as the circumstances in each case would permit. But of the 768 cities reliable statistics of 713 or 92.8 per cent. of the entire number were secured and are incorporated in Tables 14 to 19. As will be seen from the Tables referred to, many of the cities failed to report some of the items—on an average each item was omitted by probably 10 per cent. of the cities. These omissions and failures to report amount, therefore, to over one-sixth of the whole. This deficiency has been supplied by estimates based in each case upon the ratios developed by the surrounding cities or States.

In those cases in which no report was made of population excepting the estimated total, as in the cities of Pennsylvania and Minnesota, the population between six and fourteen was estimated by applying to the total population reported the ratio existing between the two at the last general census.

This explanation is given in order that the limitations to be placed upon the accuracy of the table may be fully known.

## RELATIVE QUANTITY OF SCHOOL WORK DONE IN THE CITY AND IN THE COUNTRY SCHOOLS.

A comparison of the facts developed by this table with the figures shown in the tables of school statistics of States in Chapter XXII of this Report shows the importance of the city school systems in the educational field in a very strong light.

## THE PROPER MEASURE OF SCHOOL WORK.

The truest measure of the quantity of work done is not the number of pupils enrolled, for that number may include those whose stay in school was too short to produce any tangible result; nor the average attendance, for that gives no idea of the time attended; nor the length of the school term, for that furnishes no clue to the number of children. The only quantity that takes all these things into consideration is what is technically called the "aggregate, or total attendance," which is determined by simply adding together the number of days every pupil was present in school. The result is the total number of days attended by all pupils, and may be said to be a measure of the total amount of instruction given.

Taking this item as the basis of comparison, it appears that 35.3 per cent., considerably over one-third, of all the instruction reported in public schools in the United States is given in cities, since the aggregate number of days' attendance on the part of all public school pupils in the entire country was 1,076,613,716, and the corresponding quantity for the cities alone was 379,800,612.



This, taken in connection with the fact that only 26.2 per cent. of the population 6 to 14, and only 22.6 per cent. of the whole enrollment are reported in the cities, shows the result of the more regular attendance and the longer school terms in the cities.

#### DIFFERENCE IN THE QUALITY OF WORK.

Let it be remembered that this estimate takes into consideration only the quantity of work done. A day in a "backwoods" country school is placed upon the same footing with a day in the finest school in the country. It does not, nor can it, introduce the question of quality of instruction in any way whatever. There can be little doubt that the portion of the nation's school work which the city systems do would be proved to be not far from one-half of the whole if it were possible to show on one hand the loss of time in so many rural schools by reason of frequent changes of teachers and methods of instruction, misdirected efforts and fruitless work resulting from inexperience or incompetence, lack of proper equipment and helps to teaching; and on the other hand, the advantages which accrue to the schools of the cities from close organization, skillful supervision, consultation of teachers, more or less permanent tenure of office, good houses and a fairly abundant quantity of supplies and apparatus that go far toward smoothing the rough road of instruction.

#### REGULARITY OF ATTENDANCE GREATER IN CITIES.

As stated above, the attendance of children enrolled is far more regular in cities than in country schools, the ratio being 71.4 per cent. in cities and 65.1 per cent. in the United States as a whole. This difference will probably never be overcome, for it is impossible in the country to reach the city standard of accessibility of schoolhouses, even if the teaching were as attractive and the buildings themselves were as favorable to regular attendance. In the matter of length of term there is more reason to hope for improvement, for in some States there is now very little difference between the city and the country schools in this respect. At present the average length of the school year is 191.6 days in the cities alone and 134.5 days in the entire country at large.

#### NUMBER OF TEACHERS AND THEIR SALARIES.

Only about one-seventh of the whole number of teachers in the United States are employed in city schools, but of the amount expended for teaching and supervision, 36.1 per cent. is paid by the cities. Except the showing of the approximately exact figures, nothing new is developed by this, for it is self-evident that large graded schools require a relatively small number of teachers; and it has been a matter of general regret since the inception of the public-school system that the wages paid country school-teachers are pitifully small. The greater length of the school term is also a factor which materially increases the proportion paid to city teachers.

There is very little difference in the average cost of tuition for each day's attendance of a pupil in the city and in the country, being 8.3 cents in one case and about 8.1 cents in the other. This near approach to equality is due solely to the low salaries paid in the country. If country teachers were paid at the same rate per diem as city teachers, owing to the proportionally greater number required, the average cost of one day's instruction for one pupil in the country would be about 15.9 cents, or almost twice as much as in the cities.

#### NUMBER AND VALUE OF SCHOOLHOUSES.

There are 216,330 schoolhouses in the United States, and only 7,670, or 3.5 per cent. of them, are in the cities—another instance of the economy possible in a dense population. In the United States, exclusive of cities, there is an average of one building to every 43 persons between 6 and 14 years of age, or one to every 29 pupils in average daily attendance in school, while in the cities the average is only one building to every 415 persons between 6 and 14, or to every 258 persons in average attendance.

The value of school property in the cities amounts to 52.8 per cent. of the whole. In other words, 7,670 buildings with their sites and furnishings are more valuable than all the remaining 208,660 houses with their grounds and equipments. Of course this is due principally to the great superiority of the city buildings in size, quality, and furnishing, but the great difference between land values in urban and rural localities affects the ratio, although it would be impossible to definitely determine to what extent.

The average value of each building, including site, furniture, etc., in the entire United States is \$1,495; in the cities it is \$25,583.



TABLE FOR COMPARISON.

For the sake of convenience in comparison, the quantities referred to in the foregoing paragraphs are reproduced in tabular form below.

TABLE 1.—*Proportion of school work done by cities.*

	In the entire United States.	In the 768 cities.	Per cent. in the cities.
Population 6-14 .....	12,138,199	3,184,326	26.2
Public-school enrollment.....	12,291,259	2,775,834	22.6
Average attendance .....	8,004,275	1,982,737	24.8
Aggregate attendance .....	1,076,613,716	379,800,612	35.3
Number of teachers.....	352,231	51,951	14.8
Number of buildings.....	216,330	7,670	3.5
Value of school property .....	\$323,573,532	\$170,640,879	52.8
Salaries of superintendents and teachers.....	87,888,666	31,709,954	36.1

## B.—REMARKS RELATING TO THE COMPARATIVE STATISTICS (TABLES 12 AND 13), WITH SUPPLEMENTARY INFORMATION.

### COMPARISON OF STATISTICS.

The meaning of the quantities shown in the table is brought out more clearly by the ratios and percentages in Tables 12 and 13. It is only by comparison that the full value of statistics can be realized. The comparison may be with the results attained in the same direction at a different period, or with the effects of similar efforts in other localities, or with other circumstances in the same locality which increase or limit the possibility of effective action. Then, most important of all in national statistics, comparisons may be instituted between different localities to determine the points of excellence of one over the other, taking into consideration the governing circumstances in each case, in order that the deficiencies of all may be remedied. To present opportunities for such comparisons, Tables 12 and 13 are presented. In each State the relation is shown between the principal controlling circumstances and the aggregate of results produced in all the cities reported.

### RATIO OF TOTAL ENROLLMENT TO POPULATION 6-14, IN CITIES.

First, the number of children who received instruction, either in public or private schools, is compared with the whole number of children between six and fourteen years of age. South Carolina, Texas, and Kentucky make the poorest showing in this respect, each of them having less than three-fourths as many pupils enrolled in city schools as there are children of elementary school age. California, Connecticut, Illinois, Indiana, Iowa, Kansas, Massachusetts, Michigan, Nebraska, Nevada, New York, Ohio, Oregon, Rhode Island, Washington, and Wisconsin exhibit highly creditable ratios, while Colorado and Maine are so far in advance of all the other States as to create a suspicion that the school census upon which the population 6-14 was estimated contained an undue proportion of errors. Without an exhaustive examination into all the causes that produce the low and the high ratios, it may be stated that without a single exception all the States in which the percentages are noticeably low are Southern States in which there is a large negro population, whose failure or inability to take advantage of even the educational opportunities offered them is well known; and all the States mentioned as showing creditably high percentages, excepting Indiana, Iowa, and Oregon,<sup>1</sup> have upon their statute books laws compelling the attendance of all children in school. The compulsory laws are not, it is true, sufficiently effective to compel the attendance of those determined to remain at home, but they do exert an influence that is no less powerful for being outside the court room. Law-abiding and well-meaning people do not obey a law merely because a penalty is attached. To many of them the payment of the penalty would mean no hardship. But they respect the law simply as an expression of the public will intended for the public good, and obey it accordingly. There is no doubt that the compulsory-attendance laws often operate in this way to keep children in school when circumstances might otherwise make longer attendance a matter of doubt.

<sup>1</sup> Oregon has recently passed a compulsory-attendance law.

Another light in which this coincidence between the existence of high attendance ratios and compulsory laws may be viewed, even when admittedly inefficient, is that each is but an index to the favorable public sentiment toward education existing in those States; and that since both spring from the same cause, neither is due to the other.

The former explanation will be acceptable to the promoters of compulsion in education, while the latter will meet the approval of the opposing party. There is truth in both.

In the enrollment in public schools alone the States hold practically the same rank as before, the Southern States falling far in the rear, and the highest averages being produced in Colorado and Maine.

#### RATIO OF AGGREGATE ATTENDANCE TO POPULATION 6-14.

Column 8, however, is the best criterion presented, for it shows the relation between the aggregate attendance and the population. In this, Massachusetts leads.

The instruction given in the cities of that State was sufficient to give to each child of elementary school age 174.3 days. Maine, California, Connecticut, Nevada, Colorado, and West Virginia follow in the order named, and Florida, Mississippi, and Texas are last in the list. It will be remembered that this proportion is affected by the length of the school term, a matter in the control of the cities themselves; by the number of children brought into school, which varies with the activity of the teachers and school officers; and by the regularity of attendance, which is largely dependent upon the children and their parents. Massachusetts leads in the relative amount of school work done, because the school term is invariably long; nearly all children that could be expected to be in school are not only there, but are closely and carefully held to their work, as the high per cent. of attendance in column 6 proves. The relative amount paid to supervising officers and teachers in Massachusetts is larger than in any other Eastern State,<sup>1</sup> and this undoubtedly is a very important factor in accomplishing the result mentioned, for it is natural that more intelligent teachers would be attracted by the larger pay offered; the effect is seen in the record of the pupils' attendance. Another fact shown by the statistics that may be adduced as having a direct bearing upon the amount of instruction given is, that in Massachusetts the accommodations more nearly meet the requirements of the school population than in any other State, excepting Maine.

#### PRIVATE AND PAROCHIAL SCHOOLS.

In the matter of attendance in private and parochial schools in cities, New Hampshire and Vermont are entitled to precedence, for in the cities of each of these States over a third of the children in school are in institutions of that class.

The States showing the next largest proportion of private school enrollment in cities are Utah, Illinois, South Carolina, Maryland, Missouri, Mississippi, and Indiana, in all of which the percentage is over 25; and Kentucky, Michigan, New Jersey, New York, North Carolina, Ohio, Texas, Virginia, and Wisconsin, in which between 20 and 25 per cent. of the enrollment is in schools not under public control.

To assign as a general reason for a large private school enrollment their superiority to the public schools would be fallacious, because in many of the States included in the above category the city schools are of undoubted excellence. It would be equally unreasonable to ascribe, as has frequently been done, such a condition of things to over-organization and too much centralization in the public schools, for if this were true, Connecticut and Massachusetts, the two most thoroughly organized States in the Union, would not show such a small proportion in private schools.

The truth is that no one cause is operative in all States, and the same effect is produced by different circumstances in different localities. In New Hampshire, Vermont, and in other States the cause doubtless lies largely in the general withdrawal of Catholic children from the public schools; in many of the States of the South the public school idea has not yet attained its full measure of popularity, and in many places the population increases more rapidly than the public school facilities, and private schools reap the benefit. Insufficiency as an aid to private schools is far more potent than inefficiency, for a well-taught and conspicuously successful public school arouses a general interest in education which manifests itself first by filling the public school to its capacity and then in the increased prosperity of neighboring private educational establishments if the public school accommodations are not sufficient. On the contrary, if the instruction in the public school is indifferent—neither good nor bad, but not of the kind to arouse the enthusiasm of the pupils and maintain the interest of their parents—the private schools must rely principally for their patronage upon the more limited class

<sup>1</sup> See column 7, Table 13.



of people in easy financial circumstances who may be expected to patronize select schools under any ordinary conditions. Others, knowing public schools to be available without direct cost, would hesitate or refuse to incur needless extra expense, and should their interest wane on account of the failure of the public school to meet their anticipations, the result is a loss to the public school, from which the private school will derive no advantage.

#### PROPORTION OF PUPILS IN CITY HIGH SCHOOLS.<sup>1</sup>

In the proportion of pupils in city high schools, Vermont, with 9.9 per cent., leads the list, and Nevada, New Hampshire, West Virginia, Wyoming, and Maine follow. The tendency of pupils to stop before completing the course is very much less pronounced in small than in large cities,<sup>2</sup> and it will be noticed that all the cities of the States just named are only of moderate size at most. This accounts in part for the superiority of the percentages shown by these States, but full credit is nevertheless due them, for in cities of the lowest class in 1887-88 the percentage of high-school pupils was 7.3, or less than that in any State mentioned except Maine.

#### WHAT PROPORTION OF THE PUPILS RECEIVE HIGH-SCHOOL INSTRUCTION?

No item of school statistics is misunderstood oftener than that referred to in the foregoing paragraph. Even the friends of public high schools sometimes fall into the error of considering that the percentage of pupils in the high schools at any one time represents the proportion of the children who receive high-school instruction; their opponents, similarly erring, make free use of this alleged insignificant proportion and reference to it may be found in every paper whose object is to belittle the work of public high schools.

A conspicuous use of this wholly erroneous use of statistics may be found in an entertaining little book on "Our Common School System," which emanated from the pen of a well-known lady writer a few years ago. This author presents many of the old arguments against public high schools, clothed, however, in new and attractive dress, and among them places this:

"It is true that the high school is, in theory, open to all, but actually it is only the very few who can and do take advantage of it. Of every hundred pupils who attend the lower schools, statistics show that not more than five, in many places not more than three, attend the high school. The majority get no benefit from the high schools, other than that indirect benefit which they get equally from private academies and colleges. They yet reap, indeed, disadvantage; for too often the instruction in the lower schools is shaped, not to the greatest good of the great number who are to find their only schooling in these schools, but to the demands of those who are to go into the high school. The grammar school aims to fit pupils for the high school. It shapes its course of study for the five pupils who will graduate at the high school. It ought to fit pupils for entering active life intelligent. It ought to shape its course of instruction for the ninety-five or ninety-seven who will have no course of instruction except that which the grammar schools furnish."

The same erroneous assertion is made in the same chapter to prove that we do not get the masses into the high schools after we establish them, for "the high school plucks only from 3 to 5 per cent. out of the masses to guide their studies, while the remaining ninety-five are left to regulate their own reading just as if there were no high schools at all;" and again in bewailing the "evil \* \* \* that the best teachers, the most highly educated and most highly paid, are not put into the primary schools, where all the children have the benefit of their culture, but into the high schools, where only 3 or 5 per cent. of the children come in contact with them."

These extracts are not introduced here in order that the arguments they contain might be refuted, but merely to show an instance of the glaring misuse of statistics, the fallacy of which almost invariably escapes notice.

The ratio represented in the table shows the relative popularity of the high schools sufficiently for comparison between cities, etc.; nothing more.

If it is desired to know what per cent. of all the children enrolled receive the benefits of instruction in the high schools, it is necessary not only that those now in that department be considered, but all those yet in the elementary grades who eventually reach the high school must also be taken into the calculation.

A concrete example will make this plain. Suppose that every child in the United States were in school in that grade which corresponds to his age according to the usual classification, and that every child were annually promoted to the next higher class un-

<sup>1</sup> See also page 774.

<sup>2</sup> See Education Report for 1887-88, page 361, column 14.



til he completes the course, or until his death, if that should occur prior to his graduation. In such a case, taking the census of 1880 as a basis, the number in the eight elementary grades would be 9,766,696, *i. e.*, the total population between 6 and 14 years of age. At the same time there would be 3,941,365 pupils in the four high-school grades, whose ages would be from 14 to 18 years. Only 28.7 per cent. of the whole number would be in the high schools at any one time. But, according to the hypothesis, all who live long enough graduate, and "the proportion who reach the high schools" would therefore be 100 per cent. Now if 28.7 per cent. represents the high-school enrollment when *all* reach that school, 4.5, which is now the actual proportion for the United States, indicates that  $\frac{4.5}{28.7}$ , or 15.7 per cent. of all the pupils enrolled do actually reach the high schools.

This proportion can not be far from the correct one.

#### COMPARISON OF RATIOS FOR THE LAST THREE YEARS.

The statistics of cities have been presented in a form similar to that of Tables 12 and 13, in two Annual Reports prior to the one of which this is a part.

In order that the idea of comparison may be further carried out, the principal ratios developed in the cities reporting in those years are reproduced below in connection with the corresponding percentages for 1888-89.

TABLE 2.—Comparative statistics for three years of all cities from which information has been received.

Year.	Ratio of total public and private school enrollment to population 6-14.		Ratio of public school enrollment to population 6-14.		Ratio of private school enrollment to total public and private school enrollment.		Ratio of average daily attendance to—		Average number of days' attendance of each pupil enrolled.	Aggregate attendance is equivalent to attendance of entire population 6-14 for—	Number of pupils in average daily attendance to each teacher.	Number of sittings to each 100 of average daily attendance.	Average number of sittings to a building.	Ratio of high school enrollment to total public school enrollment.	Value of school property per capita of—		Expenditure for salaries of supervising officers and teachers per capita of—	
	Population 6-14.	Enrollment.	Population 6-14.	Enrollment.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.							Population 6-14.	Average daily attendance.		
	<i>Pr ct.</i>	<i>Pr ct.</i>	<i>Pr ct.</i>	<i>Pr ct.</i>	<i>Pr ct.</i>	<i>Pr ct.</i>	<i>Days.</i>							<i>Pr ct.</i>				
1886-87..	120.4	92.9	22.4	66.6	70.1	140.5	125.4	37.4	124.1	337.5	4.5	\$57.23	\$85.00	\$10.77	\$15.96			
1887-88..	117.2	92.5	21.0	65.8	70.1	133.7	123.3	37.0	123.6	324.2	4.5	52.64	80.54	10.85	16.29			
1888-89..	109.7	87.2	20.6	62.2	71.4	136.9	119.3	38.1	127.2	328.5	4.5	53.59	86.10	9.99	16.05			

It appears, therefore, that during the period included the school population has increased more rapidly than the schools. From one-fifth greater than the population six to fourteen in 1886-87 the whole enrollment in all schools has fallen to one-tenth greater in 1888-89. In the public schools there is a smaller proportion of the population, but a slightly larger proportion of the whole enrollment, showing a gain of 1.8 per cent. upon the private institutions. In regularity of attendance there has been a gain of 1.3 per cent., and in the length of time each enrolled pupil remained in school there was an increase over last year, though the standard of 1886-87 was not reached. In the aggregate amount of instruction as compared with population six to fourteen there has been a decrease of 4 days from last year and 6.1 days from 1886-87. The proportion of enrollment in high schools is the same as the two previous years, and though the other items show slight changes they are not indicative of a general tendency either for the better or for the worse.

#### C.—REMARKS AND SUPPLEMENTARY STATISTICS SUGGESTED BY THE TABLES OF DETAILED STATISTICS (Nos. 14 TO 19, INCLUSIVE).

In the following tables are presented the facts necessary to a full exhibit of the educational conditions of 711 cities and villages, representing a total estimated population of 19,787,991. This number of cities is the largest that has ever been represented in the reports of this office, a fact all the more gratifying because the similar tables of previous reports included a great many New England "towns" which contain no communities sufficiently thickly settled to entitle them to be classed as "urban." This

error was due to the peculiar signification of the word "town" as it is used in New England, New York, and New Jersey. There the name is applied to a division of a county, a portion of territory corresponding very nearly to what is called in the West a "township" and in some parts of the South a "beat." In all other States the same word is commonly applied to a thickly populated community somewhat more pretentious in size than a village; to this difference in usage was probably due the improper consideration of some of the New England towns upon the same basis as cities containing the same number of inhabitants. In this report they have been eliminated as far as possible, though a few may yet remain because of the uncertainty felt regarding their exact status.

To avoid if possible any misapprehension as to the scope of these tables and to prevent incorrect returns, the word "town" is no longer employed in this connection. To indicate, however, that any assemblage of houses in which 4,000 or more persons reside may be included, whether or not designated a city by local laws, the term "village" is used, since that will not be liable to be misunderstood in any section, and will exactly apply in many States.

#### NUMBER OF SUPERVISING OFFICERS.

An attempt is begun in Table 15 to show the number of officers in the several cities whose time is devoted wholly or principally to supervision. Being entirely new to many correspondents as an item of statistics, the replies were not as numerous nor the information elicited as satisfactory as might have been desired, but it is hoped that the next report will show a great improvement in both respects. The question of supervision is an important one and is receiving increased attention. The relative number of supervising officers and teachers, showing the degree of the closeness of supervision, and the relative increase in the number of supervisors from year to year, showing the growth of the system of supervision, can be best exhibited by statistics.

In the table referred to 484 cities report 1,928 supervisors, or an average of 4 to each city. If this average hold good for all the 768 cities in the United States, the whole number of supervisors would be over 3,000, but it will be noticed that the majority of the cities not reporting the item are small, and in many instances the blank is undoubtedly equivalent to a cipher. It is not likely that the unreported 284 cities employ more than 400 persons who devote enough time to supervision to be properly considered supervisors. If this conjecture—it is no more—approach the truth, the whole number of supervising officers in all the cities would be not far from 2,300.

#### WHOLE NUMBER OF PERSONS EMPLOYED IN INSTRUCTION.

A column is also given in the same table designed to show the number of substitute teachers regularly employed, but the information it contains is even less satisfactory than that in relation to supervisors. Three hundred and thirty-nine cities report that they employ a total 1,955 substitutes. In this case, too, many of the blanks that appear may indicate a negative answer, but the item is not reported by a number of large cities in which it is known that a great many substitutes are absolutely necessary. One thousand would be a moderate estimate of the number employed but not reported; this would make the whole number of substitutes 2,955.

Now, if to the 51,981 regular class teachers reported in Table 11 we add 2,300 supervisors and 2,955 substitutes, the whole number of persons directly and continuously employed in the instruction of children in city schools is shown to be 57,236. This number is not made a part of the table of totals upon page 783 for obvious reasons, but it is given here for what it is worth.

#### AVERAGE SALARY OF TEACHERS.

The statistics relating to the average salaries of teachers presented in Table 15 have not proved to be as useful as it was hoped they would be. It is evident that the figures reported were not obtained according to any uniform method, and it may be doubted whether they present an altogether trustworthy basis of comparison. The information conveyed by the "average annual salary of teachers" is at best vague and uncertain, and to be of any value for statistical purposes it is necessary that it have the same signification in all cases.

#### TEXT-BOOKS.

In column 14, Table 15, are placed the replies to the question relating to the system of supply of text-books. Six hundred and thirty-five cities responded, 115 reporting that



the free text-book system has been adopted, 16 that books are furnished free either in certain grades or in certain studies, and 2 that books are purchased by school authorities and sold at cost to pupils. The remaining 502 replies indicate that the pupils themselves purchase their books in open market. A considerable proportion of the cities of the last class loan books free to pupils unable to buy them; 75 superintendents mention the existence of this custom, but it is known that this number does not include all the cities in which indigents are thus supplied.

The geographical location of the 115 cities in which the free text-book plan prevails is shown by the following table:

TABLE 3.—*Location and number of cities employing the free text-book system.*

State.	Cities.	State.	Cities.
Delaware.....	2	New Hampshire.....	2
Illinois.....	1	New Jersey.....	19
Indiana.....	1	New York.....	18
Maine.....	4	Pennsylvania.....	10
Maryland.....	1	Rhode Island.....	2
Massachusetts.....	48	Virginia.....	1
Michigan.....	1	Wisconsin.....	4
Nebraska.....	1		

In Massachusetts a State law requires that all books be furnished by the cities and towns, and thus it happens that of all the cities reported 42 per cent. are in that State. Similar laws have since been enacted in Maine and New Hampshire. In addition to the 19 cities in New Jersey in which the free system has been adopted in full 3 cities furnish a part of the books used, and only 6 report no provision. In New York 18 of 67 cities furnish books gratuitously, 2 furnish a part, and 1 city sells them to the children at cost. In Pennsylvania 10 cities furnish all books and 3 furnish a part.

One hundred and three of the 115 cities are in the North Atlantic, 4 in the South Atlantic, and 8 in the North Central Division. The South Central and the Western Divisions are entirely without representation in the list, which includes no city south of Portsmouth, Va., and none west of Eau Claire, Wis., excepting Omaha, Nebr. It may be said, therefore, that the practical application of the free text-book idea is confined to the northeast quarter of the United States, and in the northeast quarter of that quarter are found the great mass of its supporters.

#### THE WEALTH OF CITIES.

One of the most important items to be considered in comparing the statistics of cities is the wealth of the city and its ability to support schools and other public institutions. To show this properly and in such a manner as to do justice to all concerned is an ever-recurring problem. The assessed value of all taxable property has been presented as an index to the cities' wealth in all previous reports and also appears in Table 18 in this volume, but it is a well-known fact that the methods of assessment differ so widely that little reliance can be placed in comparisons instituted upon such a basis.

For purposes of taxation it is immaterial whether property is assessed at its true value or any part thereof, provided that all is assessed at the same proportion of value. The rate of taxation necessary to produce a given amount of revenue will vary inversely with the assessment, but the actual amount paid upon any piece of property will be unaltered. Thus it happens that a ten-mill school tax in one city does not necessarily imply a weightier burden than a two-mill tax in another. But if no heavier taxation is shown by the higher rate, the item is worse than useless for statistical purposes, for it is misleading; and the same is true of the cause of the incongruity, the uncertain "assessed valuation." But in order that there may be some test by which a city's wealth may be judged more fairly than is possible with no other criterion than the varying assessment or the still more unreliable "estimate" as it is usually made, the form of inquiry recently sent out included a question by which the official basis of assessment in every case was obtained.

The assumption is, of course, that there is always a definite plan pursued by the assessing officers, and that their valuation represents either a fair cash value of property or some uniform part thereof. Then, the assessor's figures and the basis of assessment being given, it is a simple matter to find the true value of the property assessed. Col-



umn 3, Table 18, shows the result. The figures presented appear somewhat improbable in certain cases and the outcome is not altogether satisfactory as a whole, but even with its faults a far more equitable basis for comparison is established than has been available heretofore.

#### CITY HIGH SCHOOLS.<sup>1</sup>

In Table 16 appear statistics relating to the public high schools of 660 cities.

The whole number of schools reported is 725, which number would probably be increased by about 100 if all the 768 cities were heard from.

#### NUMBER OF HIGH SCHOOLS COMPARED WITH POPULATION.

The following table reveals several interesting facts in relation to the 725 schools concerning which definite information is at hand:

TABLE 4.—*Distribution, by geographical divisions, of city public high schools.*

	Number of cities reporting.	Number of public high schools reported.	Percentage of whole number reported.	Total estimated population of the cities reporting.	Ratio of number of public high schools to total estimated population of cities reporting.
United States .....	661	725	<i>Per ct.</i> 100.0	19,450,641	One school to 26,828 persons.
North Atlantic Division.....	247	265	36.6	9,236,985	One school to 34,856 persons.
South Atlantic Division.....	46	61	8.4	1,507,335	One school to 24,710 persons.
South Central Division.....	45	58	8.0	1,332,671	One school to 22,977 persons.
North Central Division.....	291	312	43.0	6,555,440	One school to 21,011 persons.
Western Division .....	31	29	4.0	818,210	One school to 28,214 persons.

High schools are relatively most numerous in the cities of the North Central Division and fewest in those of the North Atlantic Division. This does not necessarily mean that high-school advantages are more limited in the North Atlantic than in any other division, for in this, as in all other divisions but the Western, there are more schools than cities; but it is due to the fact that the cities, and consequently the schools themselves, are larger. The cities of New York and Philadelphia alone have as large a population as all the 91 cities reporting from the South Atlantic and South Central Divisions combined, yet 5 high schools suffice for New York and Philadelphia, while 109 are necessary for the 91 Southern cities.

<sup>1</sup> See also page 770.

The following table exhibits more in detail the location of the schools reported and their numerical relation to the total population which they are intended to serve:

TABLE 5.—*Distribution by States of city public high schools.*

State.	Number of cities reporting.	Number of high schools reported.	Total estimated population of cities reporting.	State.	Number of cities reporting.	Number of high schools reported.	Total estimated population of cities reporting.
NORTH ATLANTIC DIVISION.				Louisiana.....	1	2	243,101
Maine.....	12	12	160,427	Texas.....	15	15	335,948
New Hampshire.....	7	7	111,000	Arkansas.....	5	5	72,500
Vermont.....	5	5	48,500	NORTH CENTRAL DIVISION.			
Massachusetts.....	48	64	1,424,050	Ohio.....	59	63	1,369,260
Rhode Island.....	6	6	204,000	Indiana.....	31	35	500,040
Connecticut.....	14	13	288,239	Illinois.....	40	43	1,278,771
New York.....	66	63	3,791,523	Michigan.....	35	35	649,427
New Jersey.....	22	19	796,900	Wisconsin.....	31	33	496,693
Pennsylvania.....	67	76	2,412,346	Minnesota.....	13	16	534,985
SOUTH ATLANTIC DIVISION.				Iowa.....	24	24	344,887
Delaware.....	2	2	61,600	Missouri.....	26	30	842,065
Maryland.....	3	6	522,343	Dakota.....	5	5	33,201
District of Columbia.....	1	2	218,157	Nebraska.....	9	9	237,225
Virginia.....	11	14	224,400	Kansas.....	18	18	268,886
West Virginia.....	5	13	63,578	WESTERN DIVISION.			
North Carolina.....	9	6	76,000	Montana.....	1	1	30,000
South Carolina.....	3	3	84,357	Wyoming.....	1	1	8,000
Georgia.....	9	10	231,500	Colorado.....	5	5	85,000
Florida.....	3	4	26,000	New Mexico.....	0	.....	.....
SOUTH CENTRAL DIVISION.				Arizona.....	1	1	10,000
Kentucky.....	9	12	298,150	Utah.....	2	1	49,470
Tennessee.....	6	11	203,472	Nevada.....	4	4	23,000
Alabama.....	5	8	126,500	Idaho.....	1	1	4,000
Mississippi.....	4	5	53,000	Washington.....	4	3	64,240
				Oregon.....	1	1	37,000
				California.....	11	11	507,500

## CHARACTER OF INSTRUCTION IN HIGH SCHOOLS.

Columns 12 to 16 in Table 16 were introduced to show the character of the instruction imparted in the several schools. The information shown is not of the character to justify the formation of new opinions or startling conclusions of a general kind, for it simply brings further proof to the well-known fact that the great majority of high school students are about equally divided between the two principal courses that are practically the same the country over. For purposes of comparison between individual schools, and in judging the character of each, the columns are principally valuable.

## SEX OF HIGH SCHOOL GRADUATES.

In the column showing the number of high school graduates during the year, 543 cities are reported, showing a total of 11,970 persons graduated. Of this number 3,561 are males and 7,963 are females, the sex of 446 not being reported. Of those whose sex is known 30.9 per cent. are boys and 69.1 per cent. are girls.

The small proportion of boys who finish the high school course is a matter of grave concern which is worthy of the most serious consideration, especially since it is apparent that the proportion is decreasing. This tendency is conspicuously visible in the largest cities. It may be remarked in passing that not only is the proportion of high school pupils lost in those cities,<sup>1</sup> but among those who do reach the highest grades boys are relatively fewer in the large than in the smaller cities. In the ten great cities named in the table below the ratio of boys to the whole number of graduates in 1889 was 25.2 per cent. 5.7 per cent. less than the same ratio for all of the cities.

<sup>1</sup> See column 7, Table 21, p. 309, Education Report, 1893-87, and column 14, Table 26, p. 360, Education Report, 1897-88.

## DECREASING PROPORTION OF MALE GRADUATES.

To determine what has been the decrease in the relative number of males a table has been prepared, showing the number of male and of female graduates from the high schools of the ten principal cities during three periods of five years each, ending 1864, 1869, and 1889, respectively. The last period is separated from the first two by sufficient interval to show the effect of causes constantly operating; each covers time enough to avoid errors that might occur from considering results produced in a shorter time which might be the outcome of accidental, not permanent, causes; and finally, the cities taken are representatives of all sections of the country, so that the conclusions reached may not be vitiated by a suspicion that the causes are to be found in purely local conditions. Prior to 1860 the records are not sufficient for general comparisons.

TABLE 6.—Number of males and of females graduated from the high schools of the ten largest cities during 1860-64 inclusive.

	1860.		1861.		1862.		1863.		1864.		Total.		Proportion of boys to whole number.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
San Francisco <i>a</i> .....													Percent
Chicago.....	23	20	17	22	17	30	7	38	9	44	73	154	32.2
New Orleans <i>b</i> .....	8	26									8	26	23.5
Baltimore.....			16	60	22	117			13	77	51	254	16.7
Boston.....	47	28	43	38	62	57	55	45	39	58	246	226	52.1
St. Louis <i>c</i> .....	16	6	22	10	12	8	15	5	9	7	74	36	67.3
Brooklyn <i>d</i> .....													
New York <i>e</i> .....									40	78	40	78	33.9
Cincinnati.....	20	15	13	18	19	23	23	22	19	31	99	109	47.6
Philadelphia.....	51	62	38	63	35	49			19	34	143	208	40.7
	165	157	154	211	167	284	100	110	148	329	734	1,091	40.2

*a* The boys' high school was established in 1864; the first class graduated from the girls' high school in 1865.

*b* Data for this period not available, except for 1860.

*c* Number in senior class.

*d* The first class graduated from the Central School in 1880.

*e* Prior to establishment of girls' high and normal school supplementary classes were maintained with a course of study covering two years, for girls; number of graduates prior to 1864 is not shown.

TABLE 7.—Number of males and of females graduated from the high schools of the ten largest cities during 1865-69 inclusive.

	1865.		1866.		1867.		1868.		1869.		Total.		Proportion of boys to whole number.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
San Francisco.....	0	20	5	13	14	34	15	33	15	18	40	118	Percent
Chicago.....	11	33	7	36	8	50	14	43	19	69	59	231	29.3
New Orleans.....			20	22			11	38			31	60	30.3
Baltimore.....	17	40	22	69	16	a15	20	75	21	102	96	301	34.1
Boston.....			45	52	53	58	51	62	76	65	225	237	24.2
St. Louis <i>b</i> .....	10	11	14	24	12	21	16	25	17	26	69	107	48.7
Brooklyn <i>c</i> .....													39.2
New York <i>d</i> .....	29	26	25	125	30	195			41	220	125	566	18.1
Cincinnati.....	13	15	18	16	21	19			20	39	77	89	46.4
Philadelphia.....	40	71	28	59	37	63					105	193	35.2
	125	216	184	416	191	455	127	276	209	539	836	1,901	30.5

*a* Course in Eastern Female High School changed to four years.

*b* Number in senior class.

*c* The first class graduated from Central School in 1880.

*d* Males, graduates of Free Academy, afterwards New York College; females, graduates of supplementary classes of two years.



TABLE 8.—*Number of males and of females graduated from the high schools of the ten largest cities during 1885-89 inclusive.*

	1885.		1886.		1887.		1888.		1889.		Total.		Proportion of boys to whole number.	Decrease in same from—	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.		1860-64.	1865-69.
San Francisco .....	59	179	.....	.....	48	159	50	121	43	140	200	599	<i>Pr. ct.</i>	.....	4.3
Chicago .....	37	112	37	131	36	157	49	194	33	281	192	875	18.0	14.2	2.3
New Orleans.....	.....	a8	a28	10	62	.....	.....	.....	.....	.....	18	90	16.7	6.8	17.4
Baltimore .....	16	125	19	128	49	124	43	117	63	129	190	623	23.4	(b)	.8
Boston c.....	203	253	219	320	256	399	268	383	252	339	1,198	1,694	41.4	10.7	7.3
St. Louis d.....	16	84	20	110	32	102	35	122	22	181	125	599	17.2	50.1	22.0
Brooklyn.....	18	173	33	188	42	185	0	147	10	159	103	852	10.8	.....	.....
New York.....	.....	c38	f286	c38	f289	c55	f291	c50	f291	181	1,157	13.5	20.4	4.6	4.6
Cincinnati .....	54	90	52	76	67	72	53	92	51	58	277	383	41.6	6.0	4.8
Philadelphia.....	.....	57	237	59	237	137	253	95	260	348	987	26.1	14.6	9.1	9.1
	403	1,016	483	1,504	637	1,786	600	1,720	619	1,858	2,838	7,864	26.5	13.7	4.0

a Number of seniors in December, 1885.

b Increase, 6.7.

c Includes graduates of Latin schools and members of third year and advanced classes of high schools.

d Number in senior class.

e From the College of New York City.

f From the New York Normal College.

The large ratio of boys graduated during the first five years is all the more remarkable since not only did a considerable number of boys actually leave school to enlist in the military service, but it may be assumed that the absence of such numbers of men from their ordinary avocations necessitated by the civil war had the effect of increasing the demand for the services of youths of high school age both at their homes and in the industrial and business pursuits. It would have been natural to suppose, therefore, that the relative number of boys in the high schools would show an immediate increase after the disbanding of the armies, and the resumption of their places in the peaceful callings by over a million of released soldiers.

But the statistics bear witness that instead of an increase, the second five-year period shows a falling off of nearly 10 per cent., proving that the unreasonable and inexplicable custom that takes boys prematurely from the schools and puts them to work ill-prepared for its exactions was even then tightening the grip which it has held with increasing firmness ever since.

In the third period, which embraces the present time, the girl graduates outnumber the boys nearly three to one. The proportion of boys is largest in the cities of Cincinnati, Ohio, and Boston, Mass., and smallest in Brooklyn, N. Y., where the girls are more than eight times as many as the boys. The greatest decrease is noticed in St. Louis, Mo., where from two boys to one girl in 1860-64 the proportion has changed to four girls to one boy during the last period.

In Baltimore the decrease since 1865-69 is inconsiderable, and since 1860-64 there has been an actual gain. This is due principally to the establishment of the manual training school, which has annually graduated a large class of boys without affecting the popularity of the City College. A similar result may be seen in Philadelphia since the graduation of the first class from the manual training school there, for there has been no falling off in the number graduated from the Central High School, while the graduates from the special school represent a clear gain. This does not immediately justify the conclusion that the solution of the question of the small proportion of boy graduates consists in the establishment of special schools to hold those who would ordinarily leave before the completion of the course, for even if it be granted that the end justifies the means the time that has elapsed has not been sufficient to show the ultimate effect of the special schools upon the older and more orthodox institutions. But there can be no doubt that the statistics so far are favorable to the advocates of the "mechanic-arts high schools."

#### EVENING SCHOOLS.

The existence of evening schools is reported in 149 of the 710 cities heard from. Six cities, namely, Rockford, Ill., Plymouth, Mass., East Saginaw, Mich., Escanaba, Mich.,

Cohoes, N. Y., and Sidney, Ohio, report the discontinuance of the evening schools maintained in 1887-88; and no information is given in the reports and returns received in this office relating to such schools in Key West, Fla., Muscatine, Iowa, Peabody, Mass., Harrisburg, Pa., New Castle, Pa., Wilkes Barre, Pa., and Oshkosh, Wis., all of which reported them last year.

One hundred and thirty-four cities now on our lists were included in the evening-school table in the last Report. The number represented in Table 17 herewith is greater by fifteen, hence twenty-eight cities report evening schools this year which did not report them in 1887-88. The actual gain in the number of evening schools can not be positively stated, for it is impossible to say in how many of these twenty-eight cities this is the initial year, since some of them made no report last year, and the failure to mention evening schools in other cases may have been due simply to oversight on the part of reporting officers; this is known to be true in one or two instances.

#### FALLING OFF OF ATTENDANCE AT EVENING SCHOOLS.

An attempt was made to secure for this Report whatever exact data was available in relation to falling off in attendance which is a source of complaint in so many cities. No better questions for this purpose suggested themselves than those which appear at the head of columns 14 and 15 in Table 17. Though the information obtained represents but a few cities, it clearly shows the grounds for the complaint. In Chicago 9,189 pupils were enrolled during the whole six months' term; 3,461 were present at the opening and only 1,297 at the closing session. The average number of evenings' attendance of each pupil enrolled was 40, which is equivalent to three complete changes of personnel during the term. In Paterson, N. J., all but 43 of the 1,993 pupils enrolled entered at the beginning of the term and at the end of three months only one-fifth of them remained. The average of each pupil's attendance in that city was twenty-one evenings or about one month. In Pawtucket, R. I., the schools were open five months and in that time practically three different sets of pupils were instructed, the average time of attendance of each pupil being twenty-eight evenings. At Milwaukee, Wis., 1,000 pupils were present at the opening and 1,488 came in as the term grew older, but the average daily attendance was only 886 and the number at the closing session was but 660.

Mr. Donald L. Morrill, supervisor of evening schools of Chicago, thinks it "not unreasonable to suppose that one-half the number enrolled can be kept in school for the greater part of the term," and urges that "no effort be spared to attain that result at least." Even this low standard has been reached by considerably less than half the cities from which both the enrollment and daily attendance are reported, and if Mr. Morrill's further assertion be true that it is safe to assume in general that the pupil who is interested enough to come to an evening school for a few weeks will remain for a longer time if he finds he is repaid for so doing, the statistics show a woful deficiency in the general quality of evening school instruction.

#### UNSATISFACTORY CONDITION OF EVENING SCHOOLS.

There is, in fact, very little that affords grounds for encouragement in the general system of evening school organization as it now prevails. The day schools demand and obtain all that is best of the teaching profession, and it is a matter of pure chance if a thoroughly efficient teacher is found without permanent employment and willing to accept the hard work, poor pay, and uncertain tenure of an evening school position. As it is not considered judicious to allow day teachers to assume the extra burden of night work (though it is occasionally done), the consequence is that the care usually exercised in the selection of teachers is almost invariably relaxed when instructors for evening schools are to be appointed. The work to be done is rarely systematically laid out, and even the length of the term of each school is generally a matter left to be settled by the measure of success it attains. With a teacher picked up at haphazard and an air of uncertainty about everything connected with the school its duration is naturally very short.

It is not surprising in view of these circumstances that there is a general indifference almost amounting to contempt on the part of the people toward evening schools, and a lack of confidence in the value of the instruction they give; nor is it strange that they are termed "educational luxuries that only wealthy cities can afford" by men who undoubtedly have the best interests of public education at heart.

The plain truth is that evening schools ought to be placed upon such a basis as will enable them to do creditable work or they ought to be abolished altogether.

The latter would be a very serious mistake. The possibilities for good that they present are so great that to abandon them would be nearly as bad as to continue them in a state of inefficiency.



But how to make them efficient, that is the question. Fortunately some of the cities have enjoyed a reasonable measure of success, and one of the best ways to improve defective systems is to examine the differences between the successful and the unsuccessful and adapt to the latter those features of the former which seem to have been the efficient causes of their success. With this in view the following suggestions are made, based upon the experience of cities at least moderately successful in the management of evening schools.

#### A MORE DEFINITE PLAN NEEDED.

The thing which seems to be most urgently needed and which is most frequently lacking is a well-defined course of study and the careful classification which it encourages or necessitates. It is but natural that one can work to better effect and take a greater interest in doing that work when the whole task is set before him. He understands exactly what he must do to complete it and he realizes that each day and each month brings him that much nearer the accomplishment of the end he desires to gain. Should he look back he sees that progress has been made, and the consciousness that past efforts have been fruitful spurs him on to greater efforts in mastering the portion that remains. This is one of the offices of the course of study in the schools. Without it an evening school lacks a stimulus far more effective than a "dollar deposit" or a compulsory statute, for it involves motives higher than avarice or mere physical obedience to law. A course of study is as necessary to a school as a chart is to a ship. It is just as reasonable to expect a sailor to stick to a vessel drifting here and there without a port in view or definite means of reaching one as to expect a pupil to continue in a school without a plan. No matter how eager a young man may be to "get an education," his enthusiasm is apt to be intermittent and his efforts irregular and spasmodic unless his vague eagerness for "an education" can be crystallized into a desire to accomplish a certain well-defined work which will give that measure of mental development which means to him "an education."

In 1888 a systematic course of instruction was introduced in all the Boston evening schools, and the benefits that have resulted justify all that has been said above, as the following paragraph from the last report of the committee on evening schools shows:

"These courses of study have proved of the greatest benefit to the schools. The increased interest shown by the pupils in having some definite work to do and some definite end to reach has been very marked. The classifications of the pupils rendered possible under the courses of study will assist to a very great degree toward the success of these schools.

"The course of study for the evening elementary schools provides for instruction in English language, arithmetic, bookkeeping, geography, history and civil government, physiology, and hygiene."

#### THE LENGTH OF THE EVENING-SCHOOL TERM.

The next serious defect in the evening-school system has already been incidentally mentioned, and relates to the shortness of the time for which they are annually in session. The fact that the term is too short to offer an inducement to capable teachers is an important consideration, but it is still more important that the time is not sufficient for the instruction to result in solid acquirement or lasting benefit to even the most earnest and faithful of the pupils.

In any school teachers must become acquainted with their charges, and pupils must grow accustomed to schoolroom discipline before substantial work can be done. This is particularly true of evening schools, for their pupils are as a rule unused to restraint and do not readily adapt themselves to conditions so entirely different from their life outside the schoolroom. The time thus occupied in bringing the school down to a working basis must be considered as virtually lost, so far as actual instruction is concerned, and by so much lessens the real length of the school term. Then, if this term covers but a few weeks as is generally the case, the time for closing comes when the more earnest pupils have just begun to acquire habits of effective study and to do satisfactory work; and the little good accomplished is dissipated and the ambition aroused in the pupils is lost during their long absence from school influences. All teachers know that even in day schools in the comparatively short summer vacation of two months much of the work of the previous ten months is lost and must be repeated after the reassembling of the children in the autumn. Then, prolong the "vacation" to nine months and shorten the school term to twelve weeks and the daily session to three hours, and how much of the benefits of one term would be apparent the next? If a ten months' term is no more than ordinary day schools require for good work why should other schools be expected to perform the same kind of work satisfactorily if they have



only one-third as much time? If it is important to keep day schools open almost continuously in order that the period of youth may be utilized to the fullest extent for education, is it not more important that persons approaching maturity without having enjoyed the advantages of early instruction should have the opportunity to secure the greatest possible amount of training while they are inclined to receive it and before time and circumstances effectually put an end to all hope of further schooling?

But, it may be said, pupils can not be induced to attend even for the short time, and it would be folly to keep the schools open longer, for there would be no pupils.

Such a fear is not founded on experience. On the contrary, the statistics prove it to be groundless. In San Francisco the schools were open 193 nights, or about 10 months, and the per cent. of attendance as compared with the total enrollment was larger or not materially less than in Chicago with 117 nights; St. Paul, 120 nights; Omaha, 90 nights; Paterson, 56 nights; New York, 90 nights; Pawtucket, 94 nights; Milwaukee, 57 nights. Furthermore, the attendance the first night was less than one hundred greater than that of the last night, and the average attendance for the term was nearly the same, indicating a singular uniformity in the size of the schools throughout the year. Smaller cities that maintained evening schools through practically the whole school year were Oakland, Cal., 191 evenings; San José, Cal., 180 evenings; Salem, Mass., 180 evenings; and Providence, R. I., 190 evenings. There is nothing in the statistics of these cities to indicate that they were without pupils during the fall and summer months.

This is not incomprehensible. It is only what may be reasonably expected in any city. It is natural that a promise of a course long enough to produce substantial results will attract a class of persons who would be less likely to attend a school, lasting only three months, in which they have little or no confidence. These persons, being earnest in their desire for improvement, form the mainstay of such a school and receive the lion's share of its benefits. Others may come in for a time for no good purpose, just as in schools with shorter sessions, but being scattered through a longer time they are rarely present in considerable numbers at one time, and hence form less of a disturbing element. For the same reason the size of the school varies less, a point of advantage not to be overlooked. It may also be urged as an objection against longer terms that evening schools are more expensive than other schools, and it would cost too much to maintain them throughout the full school year. There can be no doubt that evening schools open the full time would require more money than is at present spent upon them, but is it not better to apply a hundred dollars to an effective purpose than to waste ten dollars without result, which is practically what many cities are doing? High schools, too, cost more than elementary day schools, yet no one would propose to cut down the high-school term to four or five months, and abandon them to such teachers as could be obtained for that short time, simply because they are expensive. The fact is realized that high schools are necessary, and the outlay needed to keep them at a high point of efficiency is made without a question. So it should be with evening schools. If they are necessary, they should be supported on a basis more nearly approaching that of day schools; if they are not necessary, there is no excuse for their continuance.

#### PUBLIC KINDERGARTENS.

The ideal relation of the kindergarten to the public-school system is that all pupils may receive one or two years of pure, or nearly pure, kindergarten instruction before entering the lowest grade of the regular primary school. In other words, the first or receiving class in all the schools should be a kindergarten. This ideal condition has not been realized so far in any city, although that is the end toward which the efforts of the last few years tend.

TABLE 9.—*The large cities which have avowedly established the kindergarten system, though not necessarily to the extent of affording instruction to all who apply.*

City.	Number of kindergartens.	Number of instructors.	Number of different pupils enrolled.
Boston, Mass.....	22	36	(a)
St. Louis, Mo.....	639	156	6,508
Philadelphia, Pa.....	38	48	4,706
Milwaukee, Wis.....	22	41	c2,650

*a* The number belonging January, 1889, was 1,074.

*b* Nearly all of these have "a. m." and "p. m." sessions, thus instructing two different sets of pupils.

*c* Estimated.

TABLE 10.—*Cities which have established one or more kindergartens, mainly experimental.*  
[Those marked \* probably have facilities for all who apply.]

City.	Number of kindergartens.	Number of instructors.	Number of different pupils enrolled.	City.	Number of kindergartens.	Number of instructors.	Number of different pupils enrolled.
CALIFORNIA.				MICHIGAN.			
Riverside.....	1	1	144	Detroit.....			
San José.....	1	2	148	Grand Rapids.....	1	1	42
CONNECTICUT.				Muskegon*.....	14		776
Bristol.....	1	1	30	Ionia*.....	3	3	
Hartford.....	2	2		NEW JERSEY.			
New Haven.....	2	2	75	Bayonne.....		5	436
DAKOTA.				Mount Holly.....		3	150
Grand Forks.....		2		Passaic.....	1	1	120
GEORGIA.				Paterson.....		6	590
Augusta.....	6	6	300	NEW YORK.			
ILLINOIS.				Buffalo.....	1	1	
Carlinville.....	1	1	45	Gloversville <i>b</i> .....	4	4	319
INDIANA.				Johnstown.....		4	260
La Porte.....		3	62	Mt. Vernon.....		4	
Richmond.....	1	1	102	Norwich.....	1	1	15
IOWA.				Port Chester.....		2	82
Des Moines (West <sup>a</sup> ).....	<i>a</i> 17		379	Rochester.....	6	c21	371
Lyons.....	1	1	70	Sing Sing.....		3	188
Marshalltown*.....		6	180	OREGON.			
KANSAS.				Salem.....	1	1	105
Emporia.....		6	500	PENNSYLVANIA.			
Parsons.....		4	538	Phoenixville.....	1	1	72
KENTUCKY.				Warren.....	1	1	73
Dayton.....	1	1	15	RHODE ISLAND.			
MAINE.				Newport.....	2	4	146
Lewiston.....		7	284	Pawtucket.....	1	1	81
Portland.....	1	1	49	Providence.....	1	2	
MASSACHUSETTS.				TEXAS.			
Brookline.....	2	3	90	El Paso <i>b</i> .....	1	2	89
Somerville.....		9	235	WISCONSIN.			
				Baraboo.....	1	1	90
				Berlin.....		4	165
				Sheboygan.....		5	462

*a* Eight of these are volunteers, serving without pay.

*b* The time is not entirely devoted to kindergarten work.

*c* Six regular teachers and 15 assistants.

## D.—THE TABLES OF COMPARATIVE STATISTICS.

The remarks upon page 768 relating to the uses and value of the summarized tables of comparative statistics apply with equal force to tables 20 and 21. They are to the individual cities what tables 12 and 13 are to sets of cities. Naturally in these tables appear anomalies more remarkable and inequalities more noticeable than are brought out in tables 12 and 13, for the peculiarities of single cities disappear to a great extent when they are merged or combined to make an aggregate with others which do not possess the same characteristics. These wide differences are indicative of the varied conditions under which the work of education in America is conducted. There are cities of all degrees of wealth, varying from the suburban settlement of mill operatives whose whole number of taxable dollars is only 581 times as great as the number of children to be provided for, to the elegant and fashionable home for a great city's wealthy men whose aggregated ownings would be sufficient to give every resident child of elementary school age the snug sum of \$27,206. There are cities that have set aside for purely educational purposes property worth more than 5 per cent. of the value of all the taxable property they contain and cities in which the schools fare less than one-tenth as well. There are cities which pay to teachers and supervisors over \$30 for each child in attendance, and others which pay less than \$5 for similar service. There are cities which provide accommodations for nearly twice as many pupils as there are children under fourteen, and others which provide seats for less than one-third the number that would ordinarily be expected to be in school.

With such differences in not only the provision for schools, but in the ability to provide for them, it is not to be expected that the quantity and quality of work will even approach uniformity, and the generalizer who declaims of the "universal excellence of the schools of the American cities" would do well to study the statistics and revise his opinion. Are those good schools in which less than half the pupils enrolled attend regularly? Can those systems lay any just claim to excellence in which the children remain in school on an average less than five months? Yet a glance through the table shows that such schools and such systems are by no means rare.

There is still a great deal of room for improvement. We have not yet reached the point of perfection.



TABLE 11.—Summary, by States, of population 6-14, enrollment, attendance, teachers, high schools, accommodations, school property, and cost of tuition in cities and villages containing over 4,000 inhabitants.

1	2	3	4	5	6	7	8	9	10	11	12	13
State.	Number of cities and villages containing over 4,000 inhabitants.	Total population 6-14.	Number of pupils enrolled in private and parochial schools.	Number of pupils enrolled in public day schools.	Average daily attendance in public day schools.	Aggregate number of days' attendance of all pupils in public day schools.	Number of teachers, not including supervising officers.	Number of students enrolled in public high schools.	Number of school purposes.	Number of seats or sittings for study.	Value of all public property used for school purposes.	Expenditure for salaries of teachers and supervising officers.
The United States.....	768	3,184,326	718,447	2,775,824	1,982,736.5	379,800,612	51,981	175,542	7,670	2,530,674	\$170,640,879	\$31,708,954
Alabama.....	9	24,161	.....	11,973	8,953	1,535,817	205	.....	35	9,135	349,407	90,613
Arizona.....	1	1,291	.....	1,026	6,554	1,186,000	22	.....	.....	.....	564,130	40,080
Arkansas.....	7	12,581	2,202	10,601	6,857	12,665,552	134	.....	36	9,900	7,245,000	1,338,333
California.....	21	75,090	16,433	85,070	63,972	18,839,468	1,604	.....	202	.....	1,816,261	251,603
Colorado.....	5	12,859	.....	11,515	11,515	7,438,333	293	688	48	14,394	.....	68,600
Connecticut.....	19	40,981	11,027	57,139	38,182	7,470,571	1,165	3,371	.....	.....	.....	49,732
Dakota.....	7	6,013	.....	4,161	2,659	4,286,555	83	260	16	3,770	443,000	77,700
Delaware.....	2	10,434	.....	9,557	6,588	4,986,012	177	302	28	8,412	.....	47,110
District of Columbia.....	2	36,430	3,596	35,764	27,619	5,426,628	680	1,669	91	31,764	.....	256,588
Florida.....	8	9,081	.....	4,798	3,407	5,011,111	89	.....	.....	22,526	1,138,000	.....
Georgia.....	11	36,615	5,510	26,612	22,163	.....	477	1,291	58	.....	120,000	2,204,211
Idaho.....	1	5,222	.....	600	.....	25,808,467	11	.....	10	159,733	10,640,000	799,883
Illinois.....	50	202,924	74,533	179,535	131,467	10,165,000	3,323	7,809	358	64,850	3,602,500	637,000
Indiana.....	22	85,464	28,053	79,524	54,465	7,496,321	1,478	4,886	216	57,175	2,305,789	382,091
Iowa.....	84	53,848	11,046	56,252	40,643	5,275,000	1,195	3,761	195	39,309	1,922,500	456,600
Kansas.....	16	40,248	6,712	42,573	30,521	6,194,286	713	2,034	140	43,531	.....	258,588
Kentucky.....	14	73,108	12,153	42,390	31,300	3,379,231	792	2,194	113	27,125	2,414,444	3,490,000
Louisiana.....	17	56,688	.....	26,397	.....	.....	462	1,981	249	59,586	21,745,892	932,824
Maine.....	3	20,607	4,349	25,503	18,710	3,879,231	643	1,299	114	233,859	5,286,250	.....
Maryland.....	12	69,040	17,450	51,425	41,791	35,741,614	1,228	15,293	1,258	85,320	.....	.....
Massachusetts.....	43	205,015	37,988	193,089.9	193,089.9	12,690,000	5,961	6,427	274	.....	.....	.....
Michigan.....	37	99,314	26,781	94,962	65,043	.....	1,819	.....	.....	.....	.....	.....

<sup>a</sup> The prevalence of yellow fever in Jacksonville and Fernandina prevented the organization of the schools in those cities and thus greatly reduced the total for the State.

TABLE 11.—Summary, by States, of population 6-14, enrollment, attendance, teachers, high schools, accommodations, school property, etc.—Continued.

State.	1	2	3	4	5	6	7	8	9	10	11	12	13
		Number of cities and villages containing over 4,000 inhabitants.	Total population 6-14.	Number of pupils enrolled in private and parochial schools.	Number of pupils enrolled in public day schools.	Average daily attendance in public day schools.	Aggregate number of days' attendance of all pupils in public day schools.	Number of teachers, not including supervising officers.	Number of students enrolled in public high schools.	Number of buildings used for school purposes.	Number of seats or sittings for study.	Value of all public property used for school purposes.	Expenditure for salaries of teachers and supervising officers.
23 Minnesota.....	13	97,207	11,386	47,000	35,328	6,494,914	1,191	2,679	145	50,754	\$4,973,638	\$91,400	
24 Mississippi.....	5	10,337	2,125	6,383	3,868	601,000	112	148	15	6,323	213,400	50,650	
25 Missouri.....	31	135,078	40,700	113,825	82,183	14,183,333	1,961	4,803	255	99,164	6,259,882	1,125,291	
26 Montana.....	2	7,335	3,515	27,469	18,383	3,376,870	57	1,206	117	23,961	2,293,630	320,332	
27 Nebraska.....	9	24,431	8,099	32,965	2,261	427,259	528	1,299	11	85,243	41,275	41,275	
28 Nevada.....	4	2,974	689	12,607	9,065	1,599,936	49	1,113	11	11,010	1,436,333	150,751	
29 New Hampshire.....	7	17,582	6,401	12,607	9,065	15,446,667	310	5,020	100	96,229	4,899,940	1,160,245	
30 New Jersey.....	30	149,313	31,271	117,615	75,985		1,980		235				
31 New Mexico.....	1	1,074											
32 New York.....	81	576,356	143,667	532,125	369,000	70,800,000	9,750	16,197	753	462,500	30,971,428	6,335,714	
33 North Carolina.....	12	18,630	8,696	13,311	8,592	1,725,500	225	10,473	42	13,410	320,571	2,381,111	
34 Ohio.....	59	200,733	62,729	188,918	148,022	27,993,750	3,686	10,473	480	193,090	15,336,667	2,381,111	
35 Oregon.....	4	6,006	1,569	6,829	4,596	873,400	123	10,788	14	4,939	618,429	111,850	
36 Pennsylvania.....	76	464,739	65,600	376,422	240,916	46,686,427	6,178	10,788	848	307,133	18,565,090	3,141,998	
37 Rhode Island.....	6	31,880	7,383	34,658	21,359	4,697,789	164	1,217	121	27,650	1,965,910	364,657	
38 South Carolina.....	4	19,771	3,365	9,124	7,011	1,273,474	164	1,338	19	7,689	1,965,910	364,657	
39 Tennessee.....	9	34,517	7,820	26,325	18,725	3,384,616	425	1,224	52	20,667	1,976,334	280,263	
40 Texas.....	15	59,216	7,820	26,325	20,275	3,720,833	548	1,224	114	25,891	1,311,434	338,339	
41 Utah.....	4	9,336	2,500	5,992	3,758	684,010	75	541	37	226,590	426,590	42,837	
42 Vermont.....	6	7,703	3,082	5,410	4,320	802,885	158	541	40	5,672	209,450	68,330	
43 Virginia.....	12	35,108	8,156	30,234	22,630	4,162,813	520	1,870	75	26,224	834,984	212,278	
44 Washington.....	4	1,309	7,894	4,326	865,125	865,125	97	199	19	5,750	906,000	70,138	
45 West Virginia.....	5	10,595	1,625	10,455	7,882	1,509,640	221	811	52	9,309	455,700	93,800	
46 Wisconsin.....	32	79,341	23,535	72,617	51,633	9,486,000	1,291	3,955	230	60,800	3,310,000	713,600	
47 Wyoming.....	1	943	150	947	618	115,005	23	71	3	850	78,500	18,914	

TABLE 12.—Summary, by States, of comparative statistics of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants.

1	State.	2	3	4	Ratio of average daily attendance in public day schools to—		7	8	9	10	Number of seats or sittings for study to each 100 of—		High schools.		
					Population 6-14.	Enrollment.					Population 6-14.	Average daily attendance.	Ratio of enrollment to total public school enrollment.	Proportion of graduates to total public school enrollment.	Ratio of average daily attendance to enrollment.
		Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Days.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
1	United States	109.7	87.2	20.6	62.2	71.4	136.9	119.3	38.1	10.1	70.1	127.2	328.5	4.5	73.2
2	Alabama		49.6		37.1	74.8	171.5	63.6	43.7		37.8	102.1	260.9		
3	Arizona														
4	Arkansas	101.8	84.3	17.2	54.3	64.5	111.9	94.3	44.4		78.7	144.8	272.2		
5	California	135.2	113.3	19.3	85.2	141.7	160.6	39.9	39.9		112.0	125.0	300.0	3.8	77.5
6	Colorado	159.6	140.8	14.7	89.6	63.6	101.6	143.1	39.3	7.9					83.2
7	Connecticut	136.4	114.3	16.1	76.4	66.8	131.2	150.0	32.8	7.0		90.8	235.6	6.1	81.2
8	Dakota			12.5	55.9	116.7	116.7	117.7	37.2		76.9	127.7	300.4	3.2	82.2
9	Delaware		87.4		60.3	68.9	134.6	117.7	40.6	13.3	87.2	115.0	337.9	4.7	
10	District of Columbia	108.1	98.2	9.1	75.8	77.2	139.4	136.8	38.3		61.5	101.7	388.4	4.9	87.4
11	Florida		52.8		37.5	71.0	113.1	59.8	46.5	9.1					
12	Georgia	87.7	72.7	17.2	60.5	83.3	188.3	136.9							
13	Idaho		115.0												
14	Illinois	125.2	88.5	29.3	64.8	73.2	144.0	127.4	39.6	7.6	78.7	121.5	445.2	4.4	83.5
15	Indiana	125.9	93.0	23.1	63.7	68.5	127.8	116.2	36.9	13.2	75.9	119.1	300.2	6.1	
16	Iowa	125.0	104.5	16.4	75.5	72.3	133.3	139.3	34.0	9.3	106.2	140.7	293.0	6.7	77.0
17	Kansas	122.8	105.8	13.5	75.8	71.7	123.9	131.1	42.8	18.8	97.7	128.8	281.0	4.7	80.7
18	Kentucky	74.6	58.0	22.3	42.8	73.9	146.1	34.7	39.5		59.5	139.1	383.2	5.2	
19	Louisiana														
20	Maine	141.9	123.8	11.6	90.8	73.4	132.5	104.0	29.1		131.6	144.9	108.9	7.1	88.6
21	Maryland	99.8	74.5	25.3	60.4	81.1			34.0	10.8	86.3	142.9	522.3	6.4	88.9
22	Massachusetts	129.8	111.2	14.3	91.1	84.7	156.8	174.3	38.1	13.1	114.1	121.1	185.9	6.7	80.1
23	Michigan	122.6	95.7	22.0	65.5	68.5	133.6	127.8	35.8	9.3	85.9	131.2	311.3	6.8	76.2
24	Minnesota			19.5	75.2	75.2	138.2		29.7	10.6		143.7	350.0	5.7	63.2
25	Mississippi	82.3	61.7	25.0	37.4	60.6	94.2	58.1	34.5		61.2	103.6	421.8	2.3	
26	Missouri	114.5	84.3	26.4	60.8	72.2	124.6	105.0	41.9		73.4	120.7	388.9	4.2	73.8



TABLE 12.—Summary, by States, of comparative statistics of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

State.	2	3	4	Ratio of average daily attendance in public day schools to—		7	8	9	10	Number of seats or sittings for study to each 100 of—		13	High schools.		
				Population 6-14.	Enrollment.					11	12		14	15	16
	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Days.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
26 Montana .....	128.5	124.7	112.2	10.2	75.1	66.9	122.9	137.9	31.8	6.7	97.8	204.7	4.4	130.3	76.4
27 Nebraska .....	128.5	124.7	112.2	10.2	75.1	66.9	122.9	137.9	31.8	6.7	97.8	204.7	4.4	130.3	76.4
28 Nevada .....	131.9	131.9	109.8	16.7	76.0	69.2	130.8	143.6	46.1	18.2	109.1	235.0	9.1	143.5	78.7
29 New Hampshire .....	108.2	108.2	70.2	33.7	51.6	71.9	126.9	91.1	29.2	10.3	62.7	110.1	8.8	121.5	77.9
30 New Jersey .....	101.7	101.7	78.8	22.6	50.9	64.6	131.6	103.5	38.4	7.3	64.5	409.5	4.3	126.7	75.9
31 New Mexico .....	101.7	101.7	78.8	22.6	50.9	64.6	131.6	103.5	38.4	7.3	64.5	409.5	4.3	126.7	75.9
32 New York .....	120.7	120.7	95.8	20.7	64.0	66.9	128.2	122.9	37.8	80.3	125.2	614.1	2.9	156.4	74.7
33 North Carolina .....	94.5	94.5	74.0	21.7	47.7	64.4	129.3	95.7	38.2	74.6	156.4	320.1	5.5	131.3	83.7
34 Ohio .....	125.4	125.4	94.1	24.9	73.8	67.3	148.2	139.5	40.2	9.5	96.2	432.8	5.5	131.3	83.7
35 Oregon .....	129.1	129.1	104.9	18.7	70.7	67.6	134.6	134.6	37.4	10.5	75.9	352.8	5.5	107.5	71.7
36 Pennsylvania .....	129.1	129.1	104.9	18.7	70.7	67.6	134.6	134.6	37.4	10.5	75.9	352.8	5.5	107.5	71.7
37 Rhode Island .....	132.8	132.8	108.7	18.2	67.0	61.6	118.3	128.5	34.7	8.3	86.7	362.1	3.0	129.5	77.7
38 South Carolina .....	63.2	63.2	46.2	26.9	35.5	7.68	139.5	64.3	42.8	25.8	35.9	298.5	3.5	127.5	82.9
39 Tennessee .....	30.0	30.0	76.2	15.2	54.2	71.1	128.6	98.0	41.1	24.3	35.8	373.6	3.7	101.2	77.7
40 Texas .....	63.6	63.6	50.4	20.8	34.2	62.0	121.9	62.8	37.0	24.3	43.7	307.2	4.1	127.7	82.2
41 Utah .....	91.0	91.0	64.1	29.4	40.3	62.7	114.2	73.3	50.1	42.4	43.7	235.1	4.1	127.7	82.2
42 Vermont .....	169.9	169.9	70.6	35.7	55.0	79.4	147.6	104.1	27.2	4.7	73.6	141.8	9.9	131.3	88.8
43 Virginia .....	109.4	109.4	86.1	21.3	63.6	54.8	137.7	118.6	43.5	7.9	74.7	349.5	6.2	115.9	76.1
44 Washington .....	135.3	135.3	116.1	14.2	63.6	54.8	109.6	127.2	41.6	16.1	87.8	302.6	2.5	132.9	82.7
45 West Virginia .....	114.0	114.0	98.7	13.4	74.4	75.4	141.4	142.5	35.7	16.1	88.0	290.9	7.8	118.1	78.2
46 Wisconsin .....	121.2	121.2	91.5	24.5	65.1	71.1	127.7	116.9	40.0	11.7	90.1	303.6	5.4	135.2	90.1
47 Wyoming .....	116.3	116.3	100.4	13.4	65.5	65.3	121.4	121.9	28.9	16.7	90.1	253.3	7.5	137.5	90.1

TABLE 13.—Summary, by States, of comparative statistics of property and expenditures of public schools in cities and villages containing over 4,000 inhabitants.

	State.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of property in city.	Average cost per day of tuition and incidentals for each pupil.
				Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
	1	2	3	4	5	6	7	8	9	10	11
	United States .....	\$4,714	Per. ct. 1.19	\$53.59	\$86.10	\$9.99	\$16.05	\$2.94	\$4.69	Mills per dollar. 2.84	Cents. 10.9
1	Alabama .....			14.46	39.02	4.12	11.13	0.57	1.75	1.23	9.2
2	Arizona .....			44.84	82.52	7.16	13.18	1.53	2.81		9.2
3	Arkansas .....			96.50	113.25	17.83	20.92	3.51	3.40		14.6
4	California .....	9,933	1.30	141.27	157.70	19.57	21.85	18.62	12.56	3.66	25.4
5	Colorado .....			13.66	17.88	13.66	17.88		5.54		
6	Connecticut .....			8.27	18.71	8.27	18.71				
7	Dakota .....			7.11	11.79	7.11	11.79		5.26	3.17	8.7
8	Delaware .....			12.90	17.02	12.90	17.02				
9	District of Columbia .....	5,236									
10	Florida .....			31.08	51.35	7.01	11.58	0.94	1.63		6.3
11	Georgia .....	4,237		229.89							
12	Idaho .....			52.44	80.94	10.86	16.76	3.55	5.57	2.87	11.7
13	Illinois .....	5,028	1.02	49.97	78.42	9.36	14.66				
14	Indiana .....	3,958	1.26	66.91	88.66	11.83	15.75	4.54	6.21	3.74	11.7
15	Iowa .....	3,886	1.64	57.27	75.52	9.50	12.52	4.22	5.58	2.98	10.5
16	Kansas .....	4,546	1.44	26.30	61.43	6.25	14.59	1.52	3.54	3.78	9.2
17	Kentucky .....	2,053	1.28								
18	Louisiana .....			59.59	65.70	12.55	13.82				
19	Maine .....	6,220	0.98	34.98	57.49	9.09	14.94	2.61	3.40	2.36	
20	Maryland .....	4,728	0.76	106.02	110.05	16.87	17.92	4.36	4.61	2.62	12.5
21	Massachusetts .....	7,814	1.34	53.22	82.26	9.40	14.33	3.11	4.82	3.17	9.8
22	Michigan .....	3,723	1.42	51.21	140.93	8.14	22.41		9.00	2.02	17.1
23	Minnesota .....		0.94	20.64	55.16	4.90	13.10	0.71	2.86	3.14	9.1
24	Mississippi .....	1,726	1.02	46.33	76.15	8.33	13.69	4.23	5.93	2.60	11.6
25	Missouri .....	4,606	1.01								
26	Montana .....			118.18	125.05	13.45	17.92	6.95	9.25	3.83	14.8
27	Nebraska .....	5,339	1.77	28.65	37.70	14.88	19.58	5.76	7.31	9.94	13.8
28	Nevada .....	2,059	1.34	81.80	158.45	8.58	16.63	4.78	6.40	3.20	13.5
29	New Hampshire .....	4,673	1.63	32.81	64.49	7.77	15.27	1.97	3.90		9.3
30	New Jersey .....	3,178	0.99								
31	New Mexico .....			53.75	83.94	10.99	17.18	2.48	3.88	2.82	11.9
32	New York .....	4,788	1.12	17.78	37.30						
33	North Carolina .....			76.42	103.60	11.87	16.09	3.99	5.26		10.5
34	Ohio .....	4,191	1.80	93.62	134.57	16.93	24.33	6.29	9.02	2.70	17.5
35	Oregon .....	8,606	1.09		77.07		13.04		5.32	2.98	9.5
36	Pennsylvania .....		1.23	61.66	92.04	11.44	17.08	2.95	4.41	2.13	11.2
37	Rhode Island .....	6,747	0.91	9.92	27.96	4.29	12.09		1.77	1.99	8.0
38	South Carolina .....		0.41	31.16	57.48	6.67	12.30	1.32	2.45	1.73	8.3
39	Tennessee .....			2.65	66.16	5.71	16.69	1.03	3.00	3.00	11.1
40	Texas .....	2,410	1.02	24.26	37.81	4.69	7.15				
41	Utah .....			53.10	94.76	8.87	15.83		7.95		12.8
42	Vermont .....			23.78	36.89	6.90	10.71	1.31	2.07		6.9
43	Virginia .....			133.30	209.58	10.31	16.21	4.46	6.75	1.62	
44	Washington .....	10,598	1.26	45.83	61.61	9.04	12.16	2.92	3.92	3.13	8.3
45	West Virginia .....	3,712	1.24	41.72	64.11	8.99	13.82	2.62	4.05	3.78	9.7
46	Wisconsin .....	3,102	1.34	83.26	127.03	17.47	30.61				
47	Wyoming .....		1.31								

TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants.

City.	Total population (estimated) in 1888.	Population 4-21.		Population 6-14.		School-census age.	Number of children of school-census age.			Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.			Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.
		3	4	7	8		9	10	11	12	13	14	15	16	17		
ALABAMA.																	
1 Birmingham .....	50,000	13,118	6,687	7-21	5,477	4,577	10,054	500	1,332	1,539	2,871	743	890	1,638	178	291,564	
2 Pafanla* .....	4,000	1,586	808	7-21	567	648	1,215	300	(346)	(346)	246	(223)	(223)	223	2181	39,473	
3 Huntsville.....	6,200	2,464	1,256	7-21	638	(1,888)	1,888	.....	(559)	(559)	559	(410)	410	410	160	65,600	
4 Lively* .....	3,500	1,689	861	7-21	638	656	1,294	100	(250)	(250)	250	(204)	204	204	120	24,480	
5 Mobile* .....	40,000	15,664	7,981	7-21	(12,000)	.....	12,000	.....	(64,806)	(64,806)	64,806	1,850	2,190	4,080	176	718,080	
6 Montgomery .....	25,000	4,791	2,411	7-21	(13,670)	.....	13,670	.....	(1,535)	(1,535)	1,535	(c, 326)	(c, 326)	326	165	218,700	
7 Selma* .....	10,000	3,232	1,647	7-21	1,098	1,378	2,476	.....	392	499	891	(631)	631	631	170	107,270	
8 Tuscaloosa.....	6,000	2,527	1,285	7-21	931	1,003	1,936	250	394	231	625	(234)	(234)	234	100	670,560	
ARIZONA.																	
9 Tucson* .....	10,000	.....	.....	6-18	4450	4350	8800	150	305	223	528	(285)	(285)	285	180	51,191.5	
ARKANSAS.																	
10 Fort Smith .....	18,000	3,255	1,718	6-21	1,270	1,457	2,727	500	912	1,063	1,975	(1,143)	1,143	1,143	167	190,881	
11 Helena* .....	5,000	1,969	1,040	6-21	800	850	1,650	150	233	288	521	124.4	162.6	287	167	47,929	
12 Little Rock.....	28,500	9,450	4,989	6-21	3,919	4,000	7,919	625	1,799	2,010	3,809	1,136.7	1,302	2,438.7	176	435,211.2	
13 Pine Bluff* .....	14,000	2,920	1,542	6-21	1,185	1,262	2,447	500	747	956	1,703	417	511	928	180	167,240	
14 Texarkana* .....	7,000	1,339	698	6-16	397	423	820	31	311	330	701	288	340	628	160	100,480	
CALIFORNIA.																	
15 Chico .....	5,500	1,478	698	5-17	510	515	1,025	52	435	471	906	(645)	(645)	645	180	116,100	
16 Eureka.....	10,000	1,977	920	5-17	829	858	1,687	150	620	616	1,236	(876.9)	(876.9)	876.9	190	156,960	
17 Los Angeles .....	75,000	12,355	5,817	6-21	5,274	5,512	10,786	1,529	4,093	4,055	8,128	(5,764)	(5,764)	5,764	170	979,880	
18 Marysville.....	6,000	1,318	622	5-17	428	486	914	224	(406)	(406)	405	(340)	(340)	340	167	56,780	



19	Oakland.....	50,000	16,427	7,754	5-17	5,788	5,598	11,386	2,013	4,119	4,072	8,191	3,116	3,000	6,116	191	1,168,156
20	Pasadena.....	8,000	2,561	1,180	5-17	(1,734)		1,734	300	611	608	1,219			1,075	170	182,420
21	Riverside.....	6,000							0	2,005	254	4,565	24	(1,076)	511	170	86,870
22	Sacramento.....	28,000	8,935	4,217	5-17	3,108	3,085	6,193	1,000	2,005	254	4,565	24	(1,076)	511	170	86,870
23	San Francisco.....	300,000	86,152	40,664	5-17	29,862	29,862	59,713	8,233	19,365	19,774	39,160	15,028	13,267	2,788	196	591,644
24	San José.....	17,000	6,679	3,152	5-17	2,191	2,438	4,629	692	1,618	1,542	3,160	459	(2,147)	2,147	200	5,797,544
25	Santa Cruz.....	7,500	2,183	1,030	5-17	688	825	1,513	273	647	668	1,315	647		930	188	174,672
26	Santa Rosa.....	6,000	c2,179	e1,028	5-17	c762	c743	e1,510	200	604	586	1,190	(764.1)		764.1	187	142,890.5
27	Vallejo.....	6,000	2,151	1,015	5-17	744	744	1,491	261	676	421	1,097	504	442	946	187	154,218
28	Woodland.....	4,000	1,453	686	5-17	497	510	1,007	125	372	365	737	(558)		558	171	95,484
COLORADO.																	
29	Aspen.....	5,000	611	284	6-21	284	237	521	50	359	359	718	196	194	390	169	65,918
30	Colorado Springs.....	10,000	2,266	1,052	6-16	623	621	1,244	50	647	665	1,312	409.3	448.5	857.8	185	158,633
31	Denver (Dist. No. 1).....	15,000	2,182	1,016	6-21	937	925	1,862	450	603	572	1,175	386	360	746	156	116,429
32	Leadville.....	15,000	e1,585	e738	6-21	c695	c658	e1,533		629	657	1,286	277.5	351.1	628.2	183	115,050
CONNECTICUT.																	
34	Bridgeport.....	47,752	15,417	7,237	4-16	(10,880)		10,880		(7,571)		7,571	(5,403.4)		5,403.4		
35	Bristol.....	8,000	e1,872	c879	4-16	(e1,321)		e1,321	0	(1,200)		1,200	(1,075)		1,075	192	296,400
36	Hartford.....	50,000	14,149	6,640	4-16	(9,984)		9,984	c400	(7,867)		7,867	(5,036)		c5,036	192	d467,012
37	Meriden.....	20,000	7,907	3,711	4-16	(5,580)		5,580	1,200	(4,188)		4,188	(2,664)		2,664	198	527,472
38	Middletown.....	5,500	2,910	1,033	4-16	(1,560)		1,560	c500	(956)		956	(730.1)		730.1		d138,719
39	New Britain.....	20,000	5,734	2,720	4-16	(4,089)		4,089	1,000	(2,115)		2,115	(1,561)		1,561	185	288,755
40	New Haven.....	81,987	29,702	12,064	4-16	(18,133)		18,133	1,941	(14,471)		14,471	(10,689)		10,689	190	2,696,964
41	New London.....	9,900	3,600	1,716	4-16	(2,853)		2,853	108	(2,317)		2,317	(1,610)		1,610	e196	d315,560
42	Norwich.....	5,500	2,145	1,074	4-16	(1,514)		1,514	400	(1,142)		1,142	(870)		870	194	168,780
43	Rockville.....	10,000	2,621	1,230	4-16	(1,850)		1,850	416	(1,790)		1,790	(976.9)		976.9	180	173,812
44	South Norwalk.....	5,500			4-16				50	595	507	1,012	(788)		788	200	197,600
45	Stamford.....	11,000	4,048	1,900	4-16	(1,438)	1,419	2,857	531	(2,027)		2,027	(1,284)		1,284	199	253,516
46	Thompsonville.....	4,500	1,623	762	4-16	(1,145)		1,145		(614)		614	(466.5)		466.5	180	83,956.3
47	Williamantic.....	9,000	3,867	1,814	8-16	(1,766)		1,766	600	(792)		792	(511.6)		511.6	200	102,200
DAKOTA.																	
48	Deadwood.....	4,000			7-21				25	125	75	200	110	65	175	200	35,000
49	Fargo*.....	8,201	1,798	890	7-20	(1,443)		1,243	70	597	567	1,164				180	
50	Grand Forks.....	7,000	1,872	932	7-20	627	674	1,301	250	401	426	827	221	237	458	175	80,949
51	Sioux Falls.....	10,000	2,999	1,045	7-20	(1,459)		1,459	150	656	645	1,301	(789)		789	176	138,864
52	Yankton.....	4,000							100	327	342	669	(493)		493	166	81,838
DELAWARE.																	
53	New Castle.....	4,000	1,132	537	6-21	483	509	992	40	272	291	563	167.3	188.3	355.6	200	71,120
54	Wilmington.....	57,000								(8,994)		8,994	(6,233)		6,233	195	1,215,455

d Estimated.

c In 1887-88.

b Number enrolled in 1888-89.

a Colored schools were taught 202 days.

\*Statistics of 1887-88.

e This report covers the five central school districts only.

TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	Total population (estimated) in 1888.	Population 4-21.	Population 6-14.	School-census age.	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.			Averages daily attendance in public day schools.			Number of days public schools were actually taught.	Total attendance in public day schools.
					Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DIST. OF COLUMBIA.																
55	218,157	48,033	23,561	6-18	16,431	16,869	33,300	3,119	11,801	12,793	24,594	9,134	9,888	19,022	182	3,462,001
56		26,253	12,879	6-18	8,918	9,282	18,200	477	4,758	6,412	11,170	3,662	4,935	8,597	179	1,524,003
FLORIDA.																
57	4,000			6-21				50	234	225	459	(325)		325	132	42,920
58	14,000	3,373	1,726	6-21	1,428	1,411	2,839	280	632	732	1,414	(1,047)		1,047	166	173,802
59	8,000			6-21				100	260	250	510	(320)		320	165	52,800
GEORGIA.																
60	7,000	1,813	948	6-18	(1,276)		1,276	20	471	554	1,025	(892)		892	190	169,480
61	10,000	3,306	1,728	6-18	1,119	1,207	2,326	200	640	678	1,318	(862.8)		862.8	174	150,135
62	65,000	18,185	9,502	6-18	6,068	6,726	12,794	1,000	3,456	3,890	7,346	3,120	3,460	6,580	193	1,318,800
63	40,000	13,753	7,025	6-18	(9,460)		9,460	1,000	1,900	1,725	3,625	1,500	1,450	2,950	6174	6506,300
64	15,000	5,870	3,066	6-18	1,930	2,200	4,130		1,014	1,224	2,238	712	976	1,688	194	327,472
65	4,000	1,569	820	6-18	(1,104)		1,104		179	225	404	(376)		375	(c)	671,440
66	20,000	6,355	3,321	6-18	(4,576)		4,576	900	851	956	1,807	(1,448)		1,448	186	299,328
67	5,500	2,095	1,095	6-18	(1,474)		1,474		315	442	757	(626)		625	(d)	6106,423
68	65,000	21,591	10,556	6-18	13,829	14,326	28,155	1,000	2,851	3,023	5,877	2,595	2,296	4,891	180	880,380
IDAHO.																
69				5-21	(5800)		5800		(6650)		6650				(d)	

ILLINOIS.																											
70	Aurora *	14,500	4,810	2,319	2,022	2,146	4,168	575	1,187	1,367	2,354	(1,705.5)	1,705.5	193	329,354.5												
71	Beardstown	4,158	1,473	719	613	663	1,276	120	1,290	385	735	315	669	190	125,449												
72	Belleville	16,500	5,760	2,813	2,459	2,532	4,991	750	1,296	1,144	2,440	(2,051.7)	2,051.7	197	406,157												
73	Belvidere	6,900	1,449	708	584	671	1,255	65	1,352	427	3,347	(2,572)	2,572	176	452,672												
74	Bloomington	23,000	7,715	3,767	(6,585)	671	6,085	.....	1,654	1,633	.....	.....	.....	.....	.....												
75	Braidwood	5,569	.....	.....	.....	.....	.....	.....	(1,500)	.....	1,500	.....	.....	.....	.....												
76	Calhoun	14,000	4,101	2,003	1,729	1,824	3,553	525	729	778	1,507	634.2	1,298.6	162	210,373.2												
77	Canton	5,512	2,187	1,093	591	904	1,895	0	510	552	1,062	(766)	766	180	137,880												
78	Carlinville	5,000	1,232	612	584	551	1,085	225	325	350	675	300	625	181	113,125												
79	Centralia	4,952	1,903	967	877	838	1,715	56	527	484	1,011	382	761	164	124,855												
80	Champaign	4,000	487	.....	.....	.....	.....	.....	(775)	775	.....	(599)	599	.....	.....												
81	Chicago	892,551	112,500	100,505	99,126	199,631	51,000	47,102	47,718	94,820	(70,459)	70,459	195	13,846,079													
82	Danville *	11,435	2,391	2,262	1,981	4,243	.....	1,230	1,296	2,466	(1,769)	1,769	195	344,655													
83	Decatur	17,000	5,325	2,605	2,272	2,350	4,622	400	1,443	1,493	2,936	1,104.8	1,556.8	180	407,088												
84	Effingham *	4,500	1,777	868	600	940	1,540	350	240	325	565	200	250	290	40,000												
85	Elgin *	15,000	4,230	2,066	1,807	1,858	3,665	635	1,114	1,102	2,216	(1,698)	1,698	190	316,920												
86	Evanson	6,231	1,296	633	572	551	1,123	200	786	454	983	(768.9)	768.9	191	145,853.5												
87	Freeport	10,000	3,722	1,817	1,683	3,224	519	786	825	1,611	1,611	(1,235)	1,235	.....	242,169												
88	Galena	7,000	2,351	1,148	975	1,062	2,037	440	484	443	927	331	646	194	125,324												
89	Galesburg	17,600	65,576	62,722	62,273	62,558	64,831	500	1,068	1,065	2,133	(1,564)	1,564	171	272,136												
90	Genseo	5,000	.....	.....	.....	.....	.....	900	319	638	.....	.....	.....	179	628,189												
91	Jacksonville	13,000	4,082	1,993	(3,537)	3,537	3,537	600	742	832	1,574	(1,450.5)	1,450.5	178	416,008												
92	Joliet	29,000	8,734	4,275	3,690	7,383	900	1,526	1,604	3,130	1,091	1,173	2,264	157	51,391												
93	Kankakee	8,000	3,103	1,511	1,130	1,552	2,682	500	614	553	1,167	409	379	192	151,391												
94	La Salle *	17,034	5,217	2,517	2,360	2,160	4,320	633	423	467	890	390	535	200	146,500												
95	Lincoln	7,500	3,322	1,622	1,261	1,617	2,878	400	500	675	1,175	428	805	193	197,815												
96	Litchfield	6,500	2,265	1,101	947	1,006	1,953	210	583	614	1,197	377	428	170	136,521												
97	Mendota	4,500	1,638	1,004	702	717	1,419	228	713	618	1,331	411	436	188	159,527												
98	Moline	11,168	3,908	1,969	1,683	1,703	3,386	400	985	1,062	2,047	(1,571.3)	1,571.3	176	294,228.8												
99	Monmouth *	6,000	1,582	769	660	705	1,365	0	490	563	1,053	455	528	.....	159,927												
100	Oney	4,000	1,575	618	618	717	1,335	20	529	594	1,114	374.1	437.8	179	145,330												
101	Ottawa	10,000	3,712	1,812	1,631	1,585	3,216	277	839	751	1,590	(1,236.6)	1,236.6	195	234,200												
102	Paris	5,000	675	675	664	669	669	60	519	525	1,044	(704.2)	704.2	182	138,164												
103	Pekin *	9,000	4,633	2,163	1,065	1,098	2,163	.....	568	587	1,155	447.5	453	175	159,324												
104	Peoria	45,000	14,473	7,068	6,356	6,184	12,510	1,500	3,377	3,627	7,004	2,125	2,829	195	970,954												
105	Peru	7,000	.....	.....	.....	.....	.....	6350	3,414	357	771	.....	.....	194	155,659												
106	Pullman	9,000	5,616	4,832	5,130	9,962	0	621	679	1,300	349	451	800	194	577,585												
107	Quincy	32,000	2,107	2,107	1,999	4,101	2,200	1,969	1,980	3,938	1,385	1,578	2,963	195	347,824												
108	Rock Island	12,200	4,733	3,311	2,107	1,999	4,101	1,098	1,092	2,104	870	879	1,749	176	485,358												
109	Rockford	22,535	7,787	3,803	3,054	3,063	6,747	449	1,711	1,813	3,524	1,209	1,293	194	534,730												
110	Springfield	24,394	8,962	4,230	(7,503)	427	7,838	50	1,718	1,753	5,471	(2,673.6)	2,673.6	200	98,630												
111	Stirling (Dist. No. 3)	6,000	967	472	411	427	5,293	390	302	348	650	250.7	281	185.5	.....												
112	Streator	15,000	6,110	2,983	2,064	3,229	5,293	390	1,182	1,308	2,490	(1,815.4)	1,815.4	197	352,640												
INDIANA.																											
113	Anderson	6,000	1,652	817	710	710	1,450	150	437	453	800	320	332	177	117,437												
114	Aurora	4,500	1,834	901	750	850	1,600	400	340	410	750	(675)	675	180	121,500												

Statistics of 1887-88.

a

b

c

d

Estimated. Length of school term, 10 months. Length of school term, 9 months.

\* Statistics of 1887-88.

c Length of school term, 10 months.

d Length of school term, 9 months.



TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	Total population (estimated) in 1888.	Population 4-21.			Population 6-14.	School-census age.	Number of children of school census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.			Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.
		3	4	5			Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.		
INDIANA—continued.																		
115 Brazil.....	7,600	2,177	1,070	6-21	(1,899)	875	1,899	100	583	655	1,233	652	(810)	810	175	161,000	180	145,800
116 Columbus.....	8,000	2,445	1,202	6-21	(2,133)	1,090	2,133	300	681	673	1,354	433	509	942	178	6191,674	180	169,560
117 Crawfordsville *	8,000	2,710	1,332	6-21	1,194	1,170	2,364	250	590	579	1,269	433	509	942	180	169,560	180	169,560
118 Elkhart.....	12,000	3,610	1,774	6-21	1,577	1,572	3,149	250	1,057	1,044	2,101	433	509	942	190	312,045	190	312,045
119 Evansville.....	41,000	18,853	9,266	6-21	7,977	8,471	16,448	1,350	3,237	3,193	6,435	433	(1,642)	1,642	1,642	958,457.5	1,642	958,457.5
120 Fort Wayne.....	34,836	11,231	5,520	6-21	4,769	4,999	9,798	3,600	1,964	2,078	4,042	433	(2,987)	2,987	185	582,465	185	582,465
121 Frankfort.....	7,000	2,040	1,063	6-21	(1,750)	875	1,780	100	569	677	1,246	433	(2,987)	2,987	185	582,465	185	582,465
122 Goshen.....	7,000	2,047	1,067	6-21	911	875	1,786	100	569	677	1,246	433	(2,987)	2,987	185	582,465	185	582,465
123 Greencastle.....	5,000	2,128	1,046	6-21	957	990	1,947	100	569	677	1,246	433	(2,987)	2,987	185	582,465	185	582,465
124 Indianapolis.....	120,000	50,821	25,634	6-21	22,404	22,637	45,041	10,865	10,865	12,671	22,536	433	(1,912.9)	1,912.9	175	252,906.5	175	252,906.5
125 Jeffersonville.....	13,000	3,643	2,252	6-21	2,112	1,433	3,545	50	1,496	1,512	3,008	433	(1,724)	1,724	173.5	154,415	173.5	154,415
126 Kokomo.....	8,000	1,913	940	6-21	854	815	1,669	50	1,496	1,512	3,008	433	(1,724)	1,724	173.5	154,415	173.5	154,415
127 La Fayette *.....	21,000	7,966	3,885	6-21	3,325	3,571	6,896	800	1,496	1,512	3,008	433	(1,724)	1,724	173.5	154,415	173.5	154,415
128 La Porte.....	10,000	3,387	1,665	6-21	1,465	1,490	2,955	800	1,496	1,512	3,008	433	(1,724)	1,724	173.5	154,415	173.5	154,415
129 Lawrenceburg.....	5,500	2,027	996	6-21	881	887	1,768	200	385	390	775	295	(965)	965	224	216,160	224	216,160
130 Logansport.....	18,000	5,516	2,711	6-21	(4,812)	887	4,812	683	385	390	775	295	(965)	965	224	216,160	224	216,160
131 Madison.....	11,500	3,249	1,715	6-21	1,796	2,064	3,860	683	975	1,030	2,005	295	(1,400.2)	1,400.2	179	206,745.8	179	206,745.8
132 Michigan City.....	11,500	3,249	1,715	6-21	1,796	2,064	3,860	683	975	1,030	2,005	295	(1,400.2)	1,400.2	179	206,745.8	179	206,745.8
133 Mount Vernon.....	6,000	2,036	1,259	6-21	1,109	1,127	2,236	200	557	552	1,109	463	403	824	192	158,134	192	158,134
134 Muncie.....	10,000	2,563	1,259	6-21	1,109	1,127	2,236	200	557	552	1,109	463	403	824	192	158,134	192	158,134
135 New Albany *.....	22,500	8,837	4,343	6-21	3,904	3,806	7,710	600	1,536	1,585	3,121	1,128	(1,318)	1,318	187	246,460	187	246,460
136 Peru.....	8,000	2,419	1,189	6-21	1,042	1,063	2,110	250	615	623	1,238	433	(881)	881	184	162,104	184	162,104
137 Richmond.....	18,000	6,985	3,433	6-21	3,050	3,044	6,094	844	1,205	1,331	2,536	373.8	(2,085)	2,085	176	330,195	176	330,195
138 Seymour.....	6,000	2,015	990	6-21	870	888	1,758	250	500	505	1,005	436	538	1,074	180	144,360	180	144,360
139 Shelbyville.....	6,000	1,851	906	6-21	(1,609)	1,009	2,618	100	436	538	1,074	987	(802)	802	180	144,360	180	144,360
140 South Bend.....	22,620	6,922	3,404	6-21	2,992	3,047	6,039	1,000	1,321	1,381	2,702	987	(802)	802	177	356,301	177	356,301

141	Terre Haute.....	7,695	6-21	6,919	6,711	13,660	700	2,485	3,414	4,899	(3,816.8)	3,816.8	185
142	Valparaiso.....	9,910	6-21	8,821	8,488	1,669	350	469	457	926	347	701	178
143	Vincennes.....	1,766	6-21	1,559	1,576	3,135	790	612	629	473	441	196	196
144	Washington.....	a1,003	6-21	a890	a886	a1,776	390	509	560	1,069	378	380	167
IOWA.													
145	Atlantic.....	1,527	5-21	722	699	1,421	0	640	612	1,252	438.8	422.1	175
146	Boone.....	5,894	5-21	835	740	1,575	200	740	620	1,360	560	490	180
147	Burlington.....	9,010	5-21	831	(8,381)	8,381	1,000	(4,436)	4,436	1,436	(2,953)	490	180
148	Cedar Rapids.....	25,000	5-21	2,175	3,124	5,293	500	(3,563)	3,563	3,563	(2,950)	490	(c)
149	Clinton.....	4,793	5-21	4,188	(4,403)	4,403	500	(3,563)	3,563	3,563	(2,950)	490	(c)
150	Council Bluffs.....	3,018	5-21	4,188	4,201	8,389	a450	1,631	1,741	1,741	1,115	1,217	185
151	Creston.....	3,193	5-21	4,111	(4,113)	4,113	200	2,311	2,311	2,311	1,665	1,667	188
152	Davenport.....	9,865	5-21	4,411	4,783	9,197	a1,200	2,311	2,311	2,311	1,665	1,667	188
153	Des Moines, east.....	5,683	5-21	2,591	2,663	5,250	300	1,809	1,809	3,409	1,607	1,607	196
154	Des Moines, west.....	6,923	5-21	2,393	2,663	6,411	819	1,893	2,124	2,124	1,607	1,607	196
155	Dubuque.....	11,138	5-21	4,987	5,381	10,363	2,512	2,238	2,240	4,478	(2,505.3)	2,505.3	177
156	Fort Dodge.....	1,835	5-21	817	890	1,707	150	533	540	1,073	357.4	400.6	200
157	Fort Madison.....	9,460	5-21	1,000	1,165	2,226	500	(780)	780	1,307	(1,001)	702	175
158	Iowa City.....	3,897	5-21	1,729	1,897	3,626	500	(1,307)	1,307	1,307	(1,001)	702	(d)
159	Keokuk.....	5,215	5-21	2,378	2,474	4,852	400	(2,379)	2,379	2,379	(1,892)	180	180
160	Le Mars.....	1,479	5-21	679	697	1,376	175	(1,010)	1,010	1,010	(746)	746	177
161	Lyons.....	2,070	5-21	1,320	1,000	1,925	300	500	520	1,020	350	370	200
162	Marshalltown.....	2,862	5-21	1,320	1,342	2,662	85	918	1,016	1,361	669	820	175
163	Mount Pleasant.....	1,450	5-21	640	709	1,319	a350	407	461	1,950	(614.5)	820	175
164	Muscatine.....	3,308	5-21	1,552	1,523	3,075	20	731	823	1,557	477	569	148
165	Oskaloosa.....	2,181	5-21	925	1,081	2,005	120	(2,578)	2,578	2,578	(1,761)	569	178
166	Ottumwa.....	8,000	5-21	3,100	(3,100)	3,100	200	(3,809)	3,809	3,809	(482.8)	482.8	177
167	Sioux City.....	9,414	5-21	670	706	1,376	200	457	423	2,880	(482.8)	482.8	177
168	Waterloo (east side)*.....	1,472	5-21	670	706	1,376	200	457	423	2,880	(482.8)	482.8	177
KANSAS.													
169	Atchison.....	a6,183	5-21	a5,742	a5,742	a5,742	600	1,018	1,070	2,088	(1,477)	397	176
170	Clay Centre.....	1,269	5-21	585	596	1,181	75	561	561	1,161	311	366	176
171	El Dorado.....	1,373	5-21	590	685	1,275	650	561	600	1,161	311	366	176
172	Emporia.....	a2,992	5-21	a1,273	a1,505	a2,778	680	773	837	1,610	646	700	175
173	Fort Scott.....	2,470	5-21	1,890	2,019	3,918	100	1,317	1,510	2,827	832	936	160
174	Hutchinson.....	2,254	5-21	961	1,132	2,093	a125	813	924	1,737	676	723	173
175	Independence.....	1,586	5-21	719	723	1,448	120	486	610	1,096	397	435	157
176	Kansas City.....	11,991	5-21	5,634	5,514	1,148	550	2,953	2,908	5,866	(4,238)	423	157
177	Lawrence.....	3,946	5-21	1,819	1,845	3,664	500	1,057	1,183	2,270	801	926.5	168
178	Leavenworth.....	8,606	5-21	3,454	3,712	7,166	1,500	1,411	1,438	2,897	1,264	1,310	195
179	Newton.....	1,125	5-21	952	954	1,906	130	688	732	1,420	473	530	176
180	Ottawa.....	2,182	5-21	(2,035)	2,035	2,035	100	762	800	1,562	539	578	176
181	Parsons.....	2,369	5-21	1,200	1,000	2,000	250	(1,758)	1,758	1,758	(1,324)	499	176
182	Salina.....	2,215	5-21	(2,037)	2,037	2,037	250	598	659	1,257	447	499	177
183	Topeka.....	11,998	5-21	5,227	5,913	11,140	a1,000	(5,746)	5,746	5,746	(4,057.3)	4,057.3	177

\* Statistics of 1887-88.

a In 1887-88.

b Estimated.

c The schools were taught 10 months.

d The schools were taught 9 months.

e The schools were taught 9.5 months.

TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	Total population (estimated) in 1888.	Population 4-21.	Population 6-14.	School census age.	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.		Average daily attendance in public day schools.		Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.		
					Male.	Female.	Total.		Male.	Female.	Total.	Male.			Female.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
KANSAS—continued.																
184 Wellington.....	6,500	1,956	975	5-21	867	949	1,816	80	615	605	1,220	415	409	824	180	148,320
185 Wichita.....	25,000	8,622	4,303	5-21	4,001	4,004	8,005	1,000	(4,963)	(4,963)	4,963	1,419.9	1,590	3,009.9	188	567,819
186 Winfield.....	7,000	2,076	1,036	5-21	(1,928)		1,928	50	(1,384)	(1,384)	1,384	(936)		936	180	168,480
KENTUCKY.																
187 Ashland.....	5,200								(648)		648	(526)		526		
188 Bowling Green *	8,500	2,466	1,246	6-20	(1,955)	5,617	11,954	400	(1,148)		1,148	(784)		784	196	153,664
189 Covington.....	36,000	11,773	7,280	6-21	6,207		11,954	21,200	(3,370)		3,370	(2,561)		2,561	200	512,800
190 Dayton.....	6,000	1,675	846	6-21	704	931	1,355	300	492	493	985	329	350	680		
191 Hopkinsville.....	7,000	2,201	1,164	6-20	921	943	1,864	100	415	405	910	325	350	675	198	133,650
192 Lexington.....	25,000	8,201	4,149	6-20	3,428	3,214	6,642	2,000	1,819	1,127	2,946	1,552	1,016	2,568	196	503,328
193 Louisville.....	160,000	81,320	41,664	6-20	31,361	33,850	65,194	850	1,623	(22,598)	22,598	(16,196)	1,294	16,196	204	3,383,984
194 Newport.....	28,000	10,455	5,283	6-20	4,201	4,257	8,458	300	602	1,005	3,228	1,243	1,294	2,537	200	567,400
195 Owensboro.....	10,000	2,797	1,414	6-20	1,103	1,160	2,263	125	899	1,018	1,326	449	585	1,004	182	181,909
196 Paducah.....	21,150	6,466	3,268	6-20	2,597	2,635	5,232	200	899	1,018	1,917	658	677	1,335	190	425,863
197 Paris.....	5,000	1,897	959	6-20	776	759	1,535		184	139	323	128	95	233	190	35,270
LOUISIANA.																
198 New Orleans*.....	243,101	99,008	51,873	6-18	34,131	35,000	69,131	17,000	12,504	13,145	25,649	7,612	8,149	15,761	182	2,868,502
MAINE.																
199 Auburn*.....	13,400	3,225	1,513	4-21	1,585	1,620	3,205	0	(1,578)		1,578	(1,367)		1,367	180	246,060



200	Augusta	10,500	2,482	1,172	4-21	(2,482)	2,482	60	(1,747)	1,747	(1,102)	1,102	176	155,535
201	Bangor	17,000	5,334	2,518	4-21	(5,334)	5,334	300	(3,000)	3,000	(2,500)	2,500	174	435,000
202	Bath	7,875	2,583	1,219	4-21	(2,583)	2,583		(1,775)	1,775	(1,499)	1,499	204	305,796
203	Belfast	4,000	1,493	705	4-21	(1,493)	1,493		(1,223)	1,223				c249,519
204	Bideford	15,000	4,378	2,067	4-21	(4,378)	4,378	600	1,012	1,006	(1,293)	1,293	c175	192,500
205	Calais	2,469	2,469	1,166	4-21	1,309	2,469	150	600	1,500	400	1,771	175	
206	Elsworth	5,052	838	811	4-21	838	838	0	(1,159)	1,159	(771)	1,901.5	185	331,777.5
207	Lewiston	23,500	6,781	3,202	4-21	2,979	6,781	1,200	1,420	2,980	(1,901.5)	1,901.5	185	861,080
208	Portland	42,000	11,027	5,206	5-21	(10,412)	10,412	1,238	3,948	6,211	(4,532)	4,532	190	192,000
209	Rockland	9,000	2,178	1,028	4-21	(2,178)	2,178		(1,400)	1,400	(1,200)	1,200	160	
210	Saco	6,500	a1,650	a679	4-21	(a1,650)	a1,650		(925)	925	(807)	807		
MARYLAND.														
211	Baltimore	500,343	127,832	62,530	6-21	51,896	110,731	15,965	23,295	40,521	18,972	37,892	201	7,616,292
212	Frederick	10,000	2,061	1,008	6-21	920	3,790	375	490	963	360	705	139	103,045
213	Hagerstown	12,000	4,637	2,293	6-20	2,100	3,790	300	(1,565)	1,565	(1,161)	1,161		
MASSACHUSETTS.														
214	Attleborough	7,000	1,912	881	5-15	530	1,105	40	719	1,396	500	961	175	103,175
215	Beverly*	9,186	2,914	1,343	5-15	(1,684)	1,684	15	(1,596)	1,596	(1,313)	1,313	194	255,722
216	Boston	400,000	125,600	57,875	5-15	(72,590)	72,590	7,882	(65,782)	65,782	(54,134)	54,134	198	c10,718,532
217	Brockton	25,000	6,480	2,989	5-15	(3,745)	3,745	510	(4,301)	4,301	(3,039)	3,039	(d)	c577,410
218	Brookline	10,000	3,231	1,489	5-15	(1,867)	1,867	150	(2,110)	2,110	(1,615)	1,615	200	323,000
219	Cambridge	65,000	20,281	9,346	5-15	(11,727)	11,727	1,785	(11,496)	11,496	(9,756)	9,756	200	1,991,200
220	Chelsea	21,500	8,461	3,900	5-15	(4,891)	4,891	419	(2,559)	2,559	(3,539)	3,539	(d)	c672,410
221	Chicopee	10,000	3,851	1,775	5-15	(2,225)	2,225	900	(955.6)	1,881	(955.6)	955.6	137	c156,300.2
222	Clinton	10,067	3,382	1,560	5-15	967	1,960	18	979	1,890	(1,330)	1,330	166	260,680
223	Danvers	7,500	1,956	901	5-15	(1,130)	1,130	20	(1,270)	1,270	(1,000)	1,000	185	186,665
224	Dedham	2,159	2,159	995	5-15	(1,248)	1,248	425	(1,317)	1,317	(1,070)	1,070	(d)	c203,300
225	Fair River	6,500	2,441	1,121	5-15	680	1,413	30	710	1,493	645	1,343	194	260,542
226	Fitchburg	22,000	7,336	3,079	5-15	(13,029)	13,029	2,000	(11,231)	11,231	(8,073)	8,073	203	1,614,000
227	Gloucester	23,000	6,730	3,064	5-15	(3,889)	3,889	800	1,920	3,725	1,345	2,598	188	483,421
228	Haverhill	22,000	7,019	3,012	8-14	1,158	2,329	300	2,631	3,127	1,783	3,543	192	680,256
229	Holyoke*	32,041	10,261	4,699	8-15	(4,632)	4,632	1,000	1,368	3,127	(2,955)	2,955	197	c527,133
230	Hyd Park	9,000	2,997	1,332	5-15	1,070	2,068	533	2,338	3,430	1,273	2,729	197	527,613
231	Lawrence	43,000	13,712	6,318	5-15	(7,923)	7,923	1,550	(6,415)	6,415	(4,767)	4,767	190	225,245
232	Lynn	75,000	21,267	9,800	5-15	(12,296)	12,296	3,300	5,173	10,123	(3,737)	7,193	190	953,400
233	Malden	50,000	13,883	6,395	5-15	3,543	8,290	750	3,709	10,123	3,456	7,193	190	1,366,670
234	Marblehead	19,617	5,641	2,600	5-15	(1,639)	3,260	714	1,609	3,257	1,163	2,553	193	1,189,695
235	Mattapan	7,500	2,525	1,164	5-15	(1,459)	1,459	40	(1,350)	1,350	(1,047)	1,047	(e)	c201,195
236	Marblehead	13,500	3,096	1,417	8-14	(1,226)	1,459	25	1,091	2,124	896	1,790	172	397,880
237	Medford	11,000	2,769	1,276	5-15	(1,600)	1,600	25	(1,338)	2,124	(1,454.2)	1,454.2	192	279,206
238	Milford	10,000	2,432	1,121	5-15	687	1,405	250	702	1,838	524	1,179	172	272,788
239	New Bedford	39,000	10,744	4,950	5-15	(6,208)	6,208	1,855	2,690	5,477	(3,652)	3,652	200	730,400

d The schools were in session 10 months.  
e The schools were in session 10 months.

b Colored schools were taught 172 days.

c Estimated.

\* Statistics of 1887-88.

a In 1887-88.

TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	Total population (estimated) in 1888.	Population 4-21.	Population 6-14.	School-census age.	Number of children of school-census age.			Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.		Number of days public schools were actually taught.	Total attendance in public day schools.		
					Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.			Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MASSACHUSETTS—continued.																
241 Newburyport .....	14,000	4,413	2,033	5-15	(2,550)	(2,550)	2,550	800	(1,695)	2,158	1,695	(1,204)	1,204	1,204	191.5	230,566
242 Newton .....	19,759	7,273	3,351	5-15	(4,202)	(4,202)	4,202	500	2,125	2,158	4,283	(3,570)	3,570	3,570	(6)	6678,300
243 North Adams .....	14,000	5,051	2,327	5-15	(2,918)	(2,918)	2,918	255	1,544	1,302	2,846	(1,865)	1,865	1,865	190	354,350
244 Northampton .....	14,257	4,156	1,915	5-15	(2,401)	(2,401)	2,401	250	2,150	1,302	2,452	(1,977)	1,977	1,977	176	350,452
245 Peabody .....	9,500	3,753	1,729	5-15	(2,168)	(2,168)	2,168	450	(2,112)	1,705	2,812	(1,600)	1,600	1,600	(6)	6395,710
246 Pittsfield .....	18,000	5,533	2,549	5-15	1,497	1,000	2,497	300	1,600	1,705	3,305	1,100	1,286	2,386	192	498,112
247 Plymouth .....	7,500	1,341	1,069	5-15	(1,341)	(1,341)	1,341	25	(1,452)	1,705	1,452	(1,140)	1,140	1,140	(6)	216,600
248 Quincy .....	14,500	5,703	2,628	5-15	(3,296)	(3,296)	3,296	45	(3,116)	1,651	3,119	(2,368)	2,368	2,368	(6)	6449,920
249 Salem .....	28,700	9,062	4,175	5-15	2,005	2,631	4,636	312	2,505	1,651	4,156	1,914	1,226	3,140	199	6624,860
250 Somerville .....	23,000	10,312	4,751	5-15	(5,959)	(5,959)	5,959	654	(7,780)	618	7,780	(5,162.8)	5,162.8	5,162.8	173	132,854
251 Southbridge .....	6,750	2,615	1,230	5-15	751	787	1,538	495	560	618	1,178	335	387	742	(6)	2202,650
252 Spencer .....	10,000	3,292	1,517	5-15	(1,902)	(1,902)	1,902	32	(2,165)	2,828	2,165	(1,545)	1,545	1,545	191	882,534.6
253 Springfield .....	42,000	11,106	5,116	5-15	(6,416)	(6,416)	6,416	1,350	3,337	2,928	6,165	2,544.7	2,075.9	4,620.6	200	160,000
254 Stoneham .....	6,000	1,528	687	5-15	369	514	883	225	522	515	1,037	(800)	800	800	190	2656,830
255 Taunton .....	25,000	7,343	3,376	5-15	(4,234)	(4,234)	4,234	138	(4,358)	1,444	4,358	(3,457)	3,457	3,457	186	6324,198
256 Waltham .....	18,000	4,774	2,200	5-15	1,444	1,315	2,759	400	1,049	1,144	2,193	(1,743)	1,743	1,743	197	166,208.9
257 Watertown .....	7,000	2,151	991	5-15	(1,243)	(1,243)	1,243	400	(1,105)	870	1,105	600	692	1,292	200	298,400
258 Westfield .....	9,200	2,932	1,351	5-15	800	894	1,694	30	800	870	1,670	900	993	1,983	193	382,719
259 Weymouth .....	11,000	3,009	1,386	5-15	872	867	1,739	300	1,100	1,103	2,203	990	993	1,983	196	353,976
260 Woburn .....	12,515	4,635	2,117	8-14	812	747	1,559	600	1,320	1,072	2,392	(1,806)	1,806	1,806	196	2,006,001
261 Worcester .....	78,937	24,733	11,424	5-15	(14,326)	(14,326)	14,326	2,500	7,457	6,591	14,048	5,401	4,631	10,032	198	
MICHIGAN.																
262 Adrian .....	10,000	2,668	1,292	5-21	(2,482)	(2,482)	2,482	350	710	723	1,433	463	481	944	192	179,280
263 Alpena .....	12,500	3,975	1,928	5-20	(3,500)	(3,500)	3,500	1,000	(1,694)	(1,694)	1,694	(1,095)	1,095	1,095	200	6219,000

254	Ann Arbor.....	3,394	1,646	1,521	2,989	250	1,070	899	1,969	1,533	190	291,270
255	Battle Creek*.....	3,602	1,460	1,712	3,172	400	876	994	1,870	1,310	195	255,450
256	Bay City.....	9,098	(8,012)	1,712	8,012	1,700	1,988	1,959	3,947	2,780	194	528,599.5
257	Big Rapids*.....	1,000	557	635	1,671	0	412	(1,305)	1,305	741	196	145,236
258	Chadlun.....	5,300	1,253	655	1,192	300	203	509	1,305	626	194	116,813
259	Cheyboygan*.....	1,901	650	575	1,225	0	402	256	450	340	195	58,160
260	Coldwater.....	1,434	(1,263)	575	1,263	0	203	101	1,101	150	194	161,020
261	Detroit.....	76,035	4,752	4,629	66,963	10,635	(22,720)	2,298	22,720	16,164	200	3,232,815
262	East Saginaw.....	35,000	948	866	9,381	800	372	335	4,652	3,557	192	682,944
263	Escanaba.....	2,030	1,744	1,795	1,814	650	707	895	1,707	1,347	193	87,800
264	Flint*.....	13,000	(1,795)	1,744	1,795	300	895	940	1,795	1,347	194	269,925
265	Grand Haven.....	6,000	(1,744)	1,744	1,744	25	(1,233)	0	1,263	935	194	187,375
266	Grand Rapids.....	52,435	(15,128)	17,180	15,128	2,000	(10,370)	0	10,370	7,450	193	1,437,859
267	Houli.....	91,517	(91,336)	609	91,336	9,220	(1,057)	0	1,057	789	194	137,833.5
268	Ishpeming*.....	7,000	(2,372)	2,372	2,372	180	(1,607)	1,082	1,607	983	195	191,685
269	Jackson.....	2,881	(2,775)	2,593	2,775	500	972	1,653	1,653	1,455	187	272,055
270	Kalamazoo.....	20,000	2,414	2,593	5,007	500	1,480	1,653	3,133	2,456	189	464,106
271	Lansing*.....	9,000	(3,049)	3,049	3,049	0	(2,079)	0	2,079	1,313	190	249,470
272	Ludington.....	8,000	(2,176)	2,176	2,176	0	883	909	1,762	1,256	187	234,872
273	Manistee.....	11,000	(3,751)	3,751	3,751	0	(2,666)	0	2,666	1,445	197	284,665
274	Marquette.....	8,000	(2,370)	609	2,370	300	730	722	1,452	866.4	193	167,219.5
275	Marshall.....	5,000	(2,214)	2,214	2,214	350	390	375	765	604	192	115,968
276	Menominee.....	10,000	(1,905)	1,905	1,905	550	720	708	1,428	847	195	165,165
277	Monroe*.....	5,400	(1,400)	1,400	1,400	0	(650)	0	650	400	200	80,000
278	Mount Clemens*.....	4,200	(1,029)	1,060	1,029	950	(740)	2,694	5,475	3,192	196	616,204
279	Muskegon.....	26,000	(66,822)	1,060	66,822	400	2,781	2,694	5,475	3,192	200	616,204
280	Negaunee*.....	7,000	(1,187)	1,187	1,187	138	480	454	934	628	192	120,576
281	Niles.....	5,000	(1,236)	1,236	1,236	0	413	440	853	561.6	185	104,457.5
282	Owosso*.....	5,000	(1,236)	1,236	1,236	0	522	590	1,326	829	193	161,970
283	Pontiac.....	12,932	(1,918)	2,070	1,918	800	589	590	1,112	829	194.5	161,970
284	Port Huron.....	22,000	(45,196)	2,070	45,196	0	1,089	1,065	2,154	1,319	190	253,243
285	Saginaw.....	15,000	(3,611)	3,611	3,611	200	3,081	1,065	3,681	2,400	190	456,000
286	West Bay City.....	4,000	(1,375)	1,375	1,375	230	1,551	1,445	2,996	1,598	192	306,816
287	Wyandotte.....	4,000	(1,375)	1,375	1,375	200	(322)	437	522	316	192	66,492
288	Ypsilanti.....	6,000	(1,740)	1,740	1,740	200	443	437	880	614	200	122,800
MINNESOTA.												
289	Anoka.....	5,000	(1,264)	1,264	1,264	85	(912)	0	912	665.9	180	110,872.3
290	Brainerd.....	8,000	.....	.....	.....	25	(1,220)	515	1,220	768	d180	6138,240
291	Crookston.....	5,000	.....	.....	.....	500	452	515	1,220	525	180	94,469
292	Duluth.....	40,000	.....	.....	.....	0	1,411	1,367	2,808	1,978	189	873,842
293	Faribault.....	6,500	.....	.....	.....	350	(995)	995	2,808	1,978	189	122,202
294	Mankatow.....	10,000	.....	.....	.....	630	(1,358)	1,358	2,808	1,978	178	182,460
295	Minneapolis.....	225,000	.....	.....	.....	200	9,722	9,773	19,496	14,367	183	2,592,209
296	Red Wing*.....	7,000	.....	.....	.....	200	648	660	1,308	1,308	180	163,212.5
297	Rochester*.....	6,000	.....	.....	.....	200	(970)	970	970	667	(i)	6120,080

\*The schools were taught 9 months.

f Greatest number of days taught in any one school.

g In 1887.

h Legal school age.

i The schools were in session 9½ months.

\*Statistics of 1887-88.

a The schools were in session 10 months.

b Estimated.

c The two high schools were in session 186 and 196 days respectively.

d In 1887-88.



TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	2	3	4	5	Number of children of school-census age.			9	Number of different pupils enrolled in all public day schools.				Average daily attendance in public day schools.			16	17
					Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.			
MINNESOTA—cont'd.																	
308 St. Cloud .....	10,000	1,671	818	5-21	784	763	1,547	475	357	461	818	312	431	743	2180	136,740	
309 St. Paul .....	175,485								5,938	5,767	11,705	4,879	4,767	9,646	188	1,826,714	
310 Stillwater .....	17,000			6-21				300			1,672			1,286	176	226,276	
311 Winona .....	20,000	6,403	3,136	6-21	2,450	3,020	5,470	1,000	1,311	1,460	2,771	1,011	1,025	2,036	200	338,627	
MISSISSIPPI.																	
312 Columbus .....	7,000			5-21				70	600	611	1,211				177		
313 Jackson .....	8,000	42,333	61,241	5-21	41,000	41,200	82,200	125	250	270	520	135	205	335	160	63,200	
314 Meridian .....	15,000	3,915	2,831	5-21	1,700	1,600	3,300	600	592	6840	21,432	4103	4525	8628	2190	6176,320	
315 Natchez .....	10,000	4,089	2,121	5-21	1,862	1,898	3,760	580	538	667	1,205	305	347	652	180	117,300	
316 Vicksburg .....	20,000	7,072	3,668	5-21	3,174	3,329	6,503	840	718	997	1,715	384	592	976	165	161,040	
MISSOURI.																	
317 Boonville .....	4,500	1,692	846	6-20	704	665	1,369		343	353	696			478	180	86,832	
318 Brookfield .....	4,500	1,703	868	6-20	694	681	1,378		394	310	704	312	235	547	180	98,460	
319 Butler .....	5,000	1,300	635	6-20	520	508	1,028	20	414	389	803			523	178	93,093	
320 Cape Girardeau .....	5,000	2,244	1,122	6-20	889	926	1,815		361	391	752	500	530	1,030	175	84,080	
321 Carrollton .....	5,000	1,755	878	6-20	731	689	1,420	95	588	590	1,178			1,030	180	185,400	
322 Carthage .....	8,000	2,711	1,356	6-20	1,024	1,170	2,194	75	736	857	1,593			1,152.3	176	202,801.8	
323 Chillicothe .....	6,000	2,080	1,017	6-20	838	807	1,645	125	(1,016)		1,016			646	158	101,317	
324 Clinton .....	8,000	1,880	940	6-20	736	785	1,521	280	570	694	1,174	379	421	800	180	146,360	
325 Columbia .....	5,000	2,020	1,010	6-20	775	858	1,633	700	360	421	781	279	300	579	154	89,277	
326 De Soto .....	4,000	1,332	666	6-20	512	565	1,078	30	276	301	577			526	138	72,588	
327 Hannibal .....	15,000	4,331	2,166	5-21	1,985	2,050	4,035	250	1,163	1,241	2,404	763	856	1,619	177	287,625	
328 Independence .....	7,000	2,286	1,145	6-20	895	997	1,892	200	627	740	1,367	402	475	877	174	152,710	

329	Jefferson City *	7,000	2,608	1,394	6-20	(2,110)	2,110	.....	(945)	945	(699)	699	172	120,114
330	Joplin .....	4,750	1,882	917	6-20	700	1,483	.....	605	1,268	(727)	727	155	113,424
331	Kansas City .....	100,000	48,844	21,725	6-20	19,044	39,289	.....	7,893	16,133	(10,497)	10,497	180	1,839,400
332	Lexington .....	5,000	2,311	1,156	6-20	929	1,870	300	377	769	260	593	183	92,049
333	Louisiana .....	5,000	1,892	916	6-20	765	1,531	350	476	954	(629)	629	120	75,463
334	Marshall .....	4,750	1,892	916	6-20	723	1,482	.....	493	1,103	(782)	782	174	136,224
335	Mayville .....	5,000	1,597	799	6-20	621	1,292	100	570	532	350	796	176	140,096
336	Mexico *	5,000	1,824	912	6-20	735	1,475	225	570	532	370.5	762.5	180	137,230.5
337	Nebraska .....	10,000	4,690	2,346	6-20	1,833	2,796	300	837	855	(1,171)	1,171	157	183,847
338	Nevada .....	8,000	2,362	1,182	6-20	945	1,967	.....	578	1,171	(700)	700	153	168,966
339	Rich Hill .....	8,000	1,869	833	6-20	724	1,513	40	578	593	195	394	197	76,412
340	St. Charles .....	8,405	2,305	1,221	6-20	937	1,932	1,262	2,737	2,916	1,832	3,806	193	753,588
341	St. Joseph .....	53,000	23,577	11,762	6-20	8,811	19,035	25,000	27,696	23,431	21,815	44,000	162	7,503,863
342	St. Louis .....	419,160	133,957	68,250	6-20	53,056	108,451	.....	1,100	2,614	814	1,832	180	32,772
343	Sedalia *	25,000	4,528	2,264	6-20	1,734	3,662	500	2,127	2,238	1,255	2,632	160	421,078
344	Springfield .....	15,000	4,436	2,469	6-20	1,892	3,994	.....	1,100	.....	.....	.....	.....	.....
345	Trenton .....	6,500	.....	.....	.....	.....	.....	130	.....	.....	.....	.....	.....	.....
346	Warrensburg *	4,200	1,634	815	6-20	(1,366)	1,365	.....	(892)	892	(624)	624	178	111,153
347	Washington *	5,000	2,224	1,112	6-20	881	1,793	300	181	357	153	319	190.5	60,769.5
MONTANA.														
248	Butte City .....	33,000	a2,973	a1,424	4-21	a1,476	a2,973	200	(2,157)	2,157	(1,304.2)	1,304.2	189	246,498.8
NEBRASKA.														
349	Beatrice .....	12,000	2,702	1,373	5-21	1,200	2,481	200	858	814	487	490	175	170,975
350	Fremont .....	10,225	2,012	1,023	5-21	864	1,986	125	675	801	(1,019.3)	1,019.3	186	180,530
351	Grand Island .....	10,000	2,202	1,314	5-21	980	2,025	75	745	821	494	580	196	209,737
352	Hastings .....	15,000	2,235	1,137	5-21	1,003	2,035	200	765	767	493	496	180	158,020
353	Kearney .....	10,000	2,325	1,183	5-21	1,070	2,138	.....	643	719	411.6	460.3	176	153,544.4
354	Lincoln .....	50,000	10,578	5,831	5-21	4,944	9,738	a200	2,375	2,733	1,661.4	1,637.8	172	567,462.4
355	Nebraska City .....	15,000	2,416	1,229	5-21	1,086	2,221	200	612	712	461	492	180	179,540
356	Omaha .....	105,000	26,684	10,792	5-21	9,411	19,260	1,800	6,121	12,498	4,650	4,313	8,863	1,597,409
357	Plattsmouth .....	10,000	2,147	1,059	5-21	949	1,914	150	(1,261)	1,261	(837)	837	180	150,660
NEVADA.														
358	Carson City .....	4,000	1,127	537	6-13	351	731	25	309	341	217	244	161	76,290
359	Eureka .....	4,000	1,107	576	6-21	(1,019)	1,019	.....	(626)	626	(372)	372	190	70,680
360	Gold Hill .....	5,000	1,189	566	6-18	401	771	6	239	347	207	184	192	73,072
361	Virginia City .....	10,000	2,723	1,295	6-18	887	1,765	500	760	682	(1,036.6)	1,036.6	198	265,246.8
NEW HAMPSHIRE.														
362	Concord .....	15,000	.....	.....	.....	.....	.....	250	891	965	(1,404)	1,404	156	219,024
363	Dover .....	14,000	3,550	1,622	5-15	1,016	2,029	a600	704	770	(1,115)	1,115	c180	202,015
364	Keene .....	7,000	1,961	896	5-16	(1,231)	1,231	a350	646	591	(901)	901	200	202,015
365	Manchester .....	40,000	.....	.....	.....	.....	.....	a3,700	(3,712)	3,712	(2,500)	2,500	172	d430,000
366	Nashua .....	17,000	4,182	1,910	5-15	1,230	2,330	a1,176	.....	1,979	(1,405)	1,405	164.5	231,122.5

d Estimated.

b Statistics of white schools only.  
c Primary and ungraded schools, 175 days; high school 190 days.

\* Statistics of 1887-88.

§ In 1887-88.

TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	6	7	8	9	Number of children of school-census age.			Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.			16	17	
					Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.			
NEW HAMPSHIRE—continued.																
367 Portsmouth.....	10,000	2,788	1,273	5-15	846	748	1,594	300	(1,406)	1,406	(932)	932	186.5	173,817		
368 Rochester.....	8,000	2,549	21,164	5-15	2,728	2,731	21,457	225	523	1,113	(808)	808	2171	2,163,757		
NEW JERSEY.																
369 Atlantic City .....	12,000	3,459	1,670	5-18	(2,643)	1,765	2,643	260	(1,831)	1,831	(1,297)	1,297	180	233,460		
370 Bayonne.....	14,000	5,219	2,534	5-18	2,245	1,765	4,010	400	1,563	3,015	731	680	201	283,611		
371 Bordenstown.....	6,000	1,973	1,741	5-18	(1,507)	1,765	1,507	250	(627)	627	(359)	359	(6)	68,210		
372 Bridgeton *.....	9,250	3,606	1,741	5-18	(2,755)	1,765	2,755	250	(1,749)	1,749	(1,154)	1,154	(6)	219,260		
373 Burlington *.....	6,000	2,333	1,136	5-18	(1,798)	1,765	1,798	300	(970)	970	(506)	506	(2)	201,200		
374 Camden.....	75,000	23,233	11,221	5-18	(17,758)	1,765	17,758	2,200	(10,537)	10,537	1,815.2	3,630.3	200	1,082,091		
375 Elizabeth.....	35,000	11,847	5,720	5-18	(9,031)	1,765	9,031	9,031	(4,042)	4,042	(2,870)	2,870	190	515,300		
376 Gloucester City.....	7,000	2,364	1,141	5-18	(1,806)	1,765	1,806	500	(966)	966	(522)	522	203	105,966		
377 Hackensack.....	7,500	1,821	1,141	5-18	(1,384)	1,765	1,384	97	(983)	983	(699)	699	.....	116,000		
378 Harrison.....	7,500	2,992	1,447	5-18	1,186	1,100	2,286	1,000	360	740	300	280	200	220,800		
379 Hoboken.....	45,000	17,607	8,502	5-18	(13,452)	1,765	13,452	6,077	(6,077)	6,077	(4,320)	4,320	.....	2,025,400		
380 Jersey City.....	185,000	75,375	36,310	5-18	(57,455)	1,765	57,455	6,000	(23,494)	23,494	(14,627)	14,627	200	2,025,400		
381 Lambertville *.....	4,350	1,397	674	5-18	506	561	1,067	230	(505)	505	(339)	339	200	223,587		
382 Long Branch.....	10,000	4,292	2,073	5-18	(3,279)	1,765	3,279	1,000	(1,797)	1,797	(1,183)	1,183	189	223,587		
383 Millville *.....	10,000	3,506	1,683	5-18	1,439	1,239	2,678	1,235	918	2,062	573	864	220	316,140		
384 Montclair.....	8,000	1,847	892	5-18	(1,411)	1,765	1,411	250	476	1,003	319.1	346.8	195	129,850.5		
385 Morristown *.....	6,500	2,475	1,195	5-18	940	951	1,891	575	474	964	354	382	200	147,200		
386 Mount Holly.....	5,500	1,702	822	5-18	(1,300)	1,765	1,300	125	(763)	763	(492.5)	492.5	202	99,485		
387 New Brunswick.....	18,600	7,201	3,477	5-18	2,799	2,702	5,501	306	(2,394)	2,394	(1,791)	1,791	195	349,245		
388 Newark.....	170,000	67,443	32,561	5-18	(51,519)	2,702	51,519	7,931	12,223	24,518	(16,602)	16,602	190	8,151,380		



Orange	17,000	6,495	3,125	5-18	1,451	(4,962)	3,071	1,700	1,042	989	1,981	(1,278)	593	1,278	201	257,175
Passaic	12,000	4,420	1,941	5-18	19,015	(1,580)	4,971	600	780	824	11,568	562	(7,157)	1,155	200	231,000
Patterson	80,000	21,891	12,018	5-18	19,015	(1,580)	4,971	600	780	824	11,568	562	(7,157)	1,155	200	231,000
Peter Amboy	9,000	2,357	1,143	5-18	1,331	(1,018)	1,808	510	693	689	1,382	613	(424)	748	(d)	684,800
Phillipsburg	9,500	3,480	1,680	5-18	1,331	(1,018)	1,808	510	693	689	1,382	613	(424)	748	(d)	684,800
Plainfield	9,394	2,336	1,611	5-18	1,331	(1,018)	1,808	510	693	689	1,382	613	(424)	748	(d)	684,800
Plainfield	7,800	2,308	1,154	5-18	1,331	(1,018)	1,808	510	693	689	1,382	613	(424)	748	(d)	684,800
Salmon	6,000	1,899	917	5-18	760	(1,763)	1,753	192	1,200	1,063	6,617	(401)	276	571	197	112,493
Trenton	60,000	17,513	8,318	5-18	6,567	(1,212)	13,402	2,128	3,177	(854)	6,617	(401)	276	571	197	112,493
Woodbury	5,000	1,586	766	5-18	1,212	(1,212)	1,212	79	1,212	79	1,212	(1,212)	79	1,212	79	1,212
NEW YORK.																
Albany	103,000	37,408	17,795	5-21	35,000	(35,000)	35,000	5,000	6,677	6,939	13,616	(9,913)	274.4	9,913	189	1,863,686
Albion	5,000	1,339	649	5-21	1,282	(1,282)	1,282	112	400	456	1,856	242.5	274.4	9,913	189	1,863,686
Amsterdam	22,000	5,214	2,468	5-21	3,875	(4,379)	4,379	7,000	1,768	1,815	3,583	(1,263)	437	1,263	202	255,125
Auburn	25,500	7,481	3,541	5-21	3,875	(4,379)	4,379	7,000	1,768	1,815	3,583	(1,263)	437	1,263	202	255,125
Batavia	28,000	7,733	3,650	5-21	2,872	(1,019)	1,981	530	614	618	1,232	393	417	2,834	192	251,207
Binghamton	28,000	7,733	3,650	5-21	2,872	(1,019)	1,981	530	614	618	1,232	393	417	2,834	192	251,207
Brooklyn	4,500	1,067	505	5-21	998	(998)	998	31400	53,023	52,740	106,763	(e308)	1,808	3,577	196	675,931
Brooklyn	800,000	288,467	138,575	5-21	270,000	(270,000)	270,000	400	15,537	16,714	32,251	(20,443)	643.4	20,443	184	120,932.2
Buffalo	250,000	83,622	38,579	5-21	a38,163	(a,611)	611	250	464	469	933	(643.4)	643.4	20,443	184	120,932.2
Canandaigua	6,430	1,757	830	5-21	1,020	(1,020)	1,020	30	428	449	2,953	(1,789)	298	576	205	117,679
Catskill	1,090	1,090	518	5-21	1,090	(5,670)	8,670	1,075	2,533	2,533	768	(523.9)	523.9	1,789	199	356,437
Cohoes	22,000	9,266	4,385	5-21	917	(2,038)	2,038	94	300	355	902	(585.8)	585.8	1,789	199	356,437
Colt's Point	5,238	2,028	962	5-21	1,230	(1,230)	1,230	300	250	250	605	(379.1)	379.1	1,789	199	356,437
Corlaine	8,000	2,128	1,031	5-21	1,230	(1,230)	1,230	300	250	250	605	(379.1)	379.1	1,789	199	356,437
Dunkirk	12,000	3,162	1,496	5-21	2,933	(2,933)	2,933	525	708	708	1,320	(950)	950	1,320	190	180,500
Elmira	28,000	6,715	3,145	4-21	3,355	(3,355)	3,355	708	2,256	2,263	4,519	(980)	1,680	3,306	195	644,753
Fulton	8,000	3,065	1,450	5-21	2,867	(2,867)	2,867	442	980	980	1,889	(666)	666	3,306	195	644,753
Fulton	5,300	1,911	573	5-21	556	(556)	556	0	(1,089)	744	1,282	(748.6)	748.6	1,046	193	201,878
Geneca	2,097	993	993	5-21	977	(977)	985	416	935	1,010	1,965	(1,302)	1,302	1,302	189	246,092
Gloversville	10,000	2,804	1,327	5-21	(2,624)	(2,624)	2,624	14	935	1,010	1,965	(1,302)	1,302	1,302	189	246,092
Green Island	5,000	1,525	625	5-21	609	(609)	643	35	497	451	951	285	276	571	197	112,493
Haverstraw	6,000	1,710	809	5-21	780	(780)	820	400	550	718	1,988	445	552	997	185	181,428
Hoosick Falls	7,000	3,356	1,587	5-21	(3,140)	(3,140)	3,140	330	(2,224)	628	2,224	(1,348)	435.3	997	185	181,428
Hornells Falls	12,000	3,955	1,872	5-21	(3,700)	(3,700)	3,700	600	720	698	1,348	483.4	435.3	997	185	181,428
Hudson	12,000	3,955	1,872	5-21	(3,700)	(3,700)	3,700	600	720	698	1,348	483.4	435.3	997	185	181,428
Ilion	4,300	1,203	569	5-21	1,125	(1,125)	1,125	0	379	628	1,917	294	460	1,395	a191	e566,011
Ithaca	12,000	2,922	1,381	5-21	(2,733)	(2,733)	2,733	400	(1,818)	628	1,818	(1,386)	460	1,395	a191	e566,011
Janataca	4,250	1,650	781	5-21	(1,544)	(1,544)	1,544	256	1,334	1,295	2,629	969	941	1,910	198	397,757
Johnstown	17,000	4,442	2,102	5-21	(4,156)	(4,156)	4,156	256	1,334	1,295	2,629	969	941	1,910	198	397,757
Johnstown	4,428	2,158	1,021	5-21	(2,019)	(2,019)	2,019	267	893	719	1,380	473	615.8	1,000	185	181,669
Kingston	12,000	3,209	1,519	5-21	(3,003)	(3,003)	3,003	267	893	719	1,380	473	615.8	1,000	185	181,669
Lansingburgh	4,331	3,501	1,657	5-21	(3,276)	(3,276)	3,276	400	845	799	1,604	(1,154)	493	1,154	190	213,302
Little Falls	8,000	2,618	1,230	5-21	1,125	(1,125)	1,125	130	582	708	1,240	373	493	869	193	167,117
Lockport	20,000	4,810	2,276	5-21	(4,500)	(4,500)	4,500	400	1,215	1,123	2,333	898	883	1,731	195	325,395

a. In 1887-88.

1837-38.  
e261 chil.

Kingston

9

Estimated.

Normal School.

100

TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	Total population (estimated) in 1888.	Population 4-21.	Population 6-14.	School-census age.	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.		Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.	
					Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.			Total.
NEW YORK—cont'd.																
434 Long Island City*.....	30,000	9,619	4,553	5-21	(9,000)	9,000	9,000	50	(4,938)	4,938	3,275	193	3,275	(3,275)	193	622,591
435 Lyons.....	5,000	1,278	605	5-21	(1,196)	1,196	1,196	0	(906)	906	605	187	605	(605)	187	116,236
436 Malone.....	5,000	1,921	909	5-21	(1,797)	1,797	1,797	0	(1,432)	1,432	927	192	927	(927)	192	179,798
437 Mattawaun.....	6,000	1,162	550	5-21	(1,087)	1,087	1,087	200	385	1,712	480	198	480	385	198	95,040
438 Medina.....	4,000	1,392	659	5-21	552	750	1,302	20	530	1,070	678.4	196	678.4	530.7	196	138,069
439 Middletown.....	11,327	3,462	1,639	5-21	(3,246)	3,246	3,246	100	(1,936)	2,000	1,335.7	189	1,335.7	(1,335.7)	189	252,451
440 Mount Vernon.....	11,000	3,348	1,584	5-21	(3,132)	3,132	3,132	225	(1,105)	2,057	1,158	191	1,158	(1,158)	191	231,600
441 New Brighton.....	16,000	4,219	1,997	5-21	(3,958)	3,958	3,958	70	(2,057)	2,057	1,435	191	1,435	(1,435)	191	273,193
442 New Rochelle.....	8,000	62,458	61,163	5-21	61,200	61,100	62,300	1250	(1,105)	1,105	707	191	707	(707)	191	211,400
443 New York.....	470,333	223,578	223,578	5-21	223,000	217,000	440,000	53,000	129,632	240,357	155,189	195.5	155,189	81,124	74,065	29,173,401
444 Newburgh.....	23,000	7,375	3,491	5-21	(6,302)	6,302	6,302	1,219	(3,266)	3,266	2,335	192	2,335	(2,335)	192	460,200
445 Norwich.....	5,200	1,428	676	5-21	586	750	1,336	0	(1,761)	1,761	1,133.8	192	1,133.8	(1,133.8)	192	141,000
446 Ogdensburg.....	12,000	4,740	2,244	5-21	(4,435)	4,435	4,435	800	(1,946)	1,946	1,253	188	1,253	(1,253)	188	235,554
447 Olean.....	11,000	2,926	1,196	5-21	(2,864)	2,864	2,864	50	(3,738)	3,738	2,525	196	2,525	(2,525)	196	491,900
448 Oswego.....	22,991	8,034	3,825	5-21	3,725	3,839	7,564	1,000	469	937	738	197	738	(738)	197	141,379
449 Oswego*.....	5,750	2,289	1,080	5-21	1,052	1,100	2,152	45	469	937	738	197	738	(738)	197	141,379
450 Peekskill.....	8,000	2,289	1,080	5-21	1,052	1,100	2,152	45	469	937	738	197	738	(738)	197	141,379
451 Penn Yan.....	4,000	1,289	612	5-21	(1,209)	1,209	1,209	173	675	1,455	468	195	468	(468)	195	91,260
452 Plattsburgh.....	7,000	2,323	1,099	5-21	1,026	1,147	2,173	60	789	1,455	1,083	189	1,083	(1,083)	189	204,743
453 Port Chester.....	5,300	1,530	724	5-21	(1,432)	1,432	1,432	230	919	1,904	1,390	194	1,390	(1,390)	194	268,667
454 Port Jervis.....	10,000	3,074	1,452	5-21	(2,876)	2,876	2,876	20	1,430	2,918	2,108	189	2,108	(2,108)	189	392,931
455 Poughkeepsie.....	22,000	6,413	3,036	5-21	(6,000)	6,000	6,000	650	7,974	16,151	12,470	193	12,470	(12,470)	193	2,406,710
456 Rochester.....	123,000	45,940	21,905	5-21	(43,000)	43,000	43,000	350	1,983	2,185	1,339.3	188	1,339.3	(1,339.3)	188	281,232
457 Rome.....	8,000	3,099	1,467	5-21	(2,900)	2,900	2,900	75	(1,983)	2,185	1,488	189	1,488	(1,488)	189	281,232
458 Saratoga Springs.....	13,000	2,886	1,367	5-21	(2,701)	2,701	2,701	200	(2,318)	2,318	1,706	189	1,706	(1,706)	189	322,414
459 Schenectady.....	15,000	5,556	2,630	5-21	(5,200)	5,200	5,200	414	(1,139)	1,139	823.6	199	823.6	(823.6)	199	163,908
460 Seneca Falls*.....	6,750	2,194	1,039	5-21	(2,053)	2,053	2,053	414	(1,139)	1,139	823.6	199	823.6	(823.6)	199	163,908

461	Sing Sing	1,957	927	5-21	(1,831)	1,831	60	(1,118)	6,452	5,074	(788)	1,118	783	194	152,894
462	Syracuse	27,683	13,103	5-21	(25,902)	25,902	2,800	(422)	6,525	5,124	10,198	12,977	10,198	195	1,938,610
463	Tarrytown	421	784	5-21	(734)	734	191	(957)	300	(264)	264	422	264	181	50,537
464	Tonawanda*	604	947	5-21	(1,872)	1,872	300	(957)	2,500	(5,186)	5,186	7,506	5,186	196	106,236
465	Troy	21,375	10,115	5-21	(20,000)	20,000	2,500	(7,506)	3,309	2,312	4,703	6,470	4,703	196	1,001,631
466	Utica*	15,164	7,177	5-21	(7,089)	7,100	1,311	(831)	1,159	(577.8)	577.8	2,303	577.8	196	917,093
467	Waterloo	1,239	586	5-21	(1,159)	1,159	75	(831)	1,109	(1,583.2)	1,583.2	2,303	1,583.2	192	311,571
468	Watertown	4,350	2,059	5-21	(4,070)	4,070	200	(1,394)	1,612	(1,276)	1,276	3,173	1,276	197	250,869
469	West Troy	4,808	2,275	5-21	(4,468)	4,468	150	(353)	1,531	(530)	530	858	530	201.5	106,793
470	Whitehall	1,571	744	5-21	(1,470)	1,470	150	(353)	1,531	(530)	530	858	530	201.5	106,793
471	Yonkers	9,738	4,609	5-21	(9,112)	9,112	1,768	(1,098)	1,612	(753)	753	1,259	753	180	410,095
NORTH CAROLINA.															
472	Asheville	2,518	1,283	6-21	975	1,160	150	525	570	425	435	1,095	860	138	118,680
473	Durham	1,446	927	6-21	586	640	80	301	354	(501)	501	688	501	175	181,150
474	Fayetteville	1,471	750	6-21	590	660	525	319	369	(700)	700	1,127	700	175	122,500
475	Goldsbrough	2,293	1,188	6-21	(1,945)	1,945	0	(1,127)	300	(340)	340	550	340	170	57,800
476	Greensborough	1,108	565	6-21	(940)	940	75	250	300	(430)	430	550	430	160	72,000
477	New Bern	6,768	3,601	6-21	(700)	1800	500	300	350	(1,535)	1,535	2,531	1,535	150	230,170
478	Raleigh	5,361	2,732	6-21	(2,151)	2,397	6200	1,192	1,312	(374)	374	751	374	156	58,344
479	Reidsville	1,552	731	6-21	(1,316)	1,316	6200	590	670	(8312)	8312	1,250	8312	180	6146,169
480	Winston	2,356	1,201	6-21	(1,998)	1,998	.....	.....	.....	.....	.....	.....	.....	.....	.....
OHIO.															
481	Akron	8,874	4,343	6-21	3,871	3,836	896	2,361	2,373	1,959	1,965	4,731	3,925	191	749,657
482	Alliance	2,109	1,033	6-21	915	917	1,832	658	692	551	551	1,350	551	187	196,537
483	Ashtabula	1,600	783	6-21	755	635	1,390	505	440	359	308	945	308	185	123,806
484	Bellaire*	3,901	1,909	6-21	1,811	1,577	3,383	425	968	640	676	1,911	676	174	228,984
485	Bellefontaine	1,298	635	6-21	550	577	1,127	401	392	793	320	793	320	185	113,940
486	Bucyrus	1,864	912	6-21	799	820	1,619	120	565	389	416	1,152	389	185	148,925
487	Canton	7,688	3,763	6-21	(6,677)	6,677	850	587	587	(2,801)	2,801	3,848	587	200	560,200
488	Chillicothe	4,418	2,162	6-21	1,920	1,917	3,837	961	831	792.5	706.1	1,842	706.1	187	280,238
489	Cincinnati	89,780	43,940	6-21	39,385	38,598	16,221	18,824	17,494	14,531	13,533	28,064	13,533	190	5,332,160
490	Cincinnati	2,631	1,288	6-21	1,150	1,135	2,285	562	596	1,158	1,158	1,588	1,158	192	615,020
491	Cleveland	72,750	35,008	6-21	32,155	31,038	63,193	14,013	17,123	35,363	15,121	14,790	29,901	179	5,740,922
492	Columbus	84,279	42,454	6-21	13,022	12,626	3,769	5,605	5,920	4,485	4,696	9,181	4,696	192	1,675,650
493	Dayton	17,800	8,712	6-21	7,795	7,671	15,466	1,821	3,651	3,156	2,842.8	5,999.2	3,156	200	1,190,840
494	Defiance	62,504	31,225	6-21	61,142	61,033	62,175	528	482	1,010	405	366	5,771	186	143,262
495	Delaware*	2,518	1,233	6-21	(2,187)	2,187	1,588	(1,627)	416	373	311	1,627	311	185	207,755
496	Delphos*	1,828	895	6-21	764	821	1,588	457	416	593	593	1,911	593	180	197,180
497	East Liverpool	1,693	783	6-21	1,693	1,526	3,199	971	943	593	617	1,911	617	179	215,163
498	Elyria	3,866	1,913	6-21	1,770	1,851	325	463	480	370	383	1,945	383	183	347,259
499	Findlay*	2,843	1,391	6-21	1,231	1,235	2,000	362	356	576	566	1,142	566	180	206,560
500	Fostoria	61,737	6860	6-21	6772	6784	6600	581	611	576	403	420	823	172	141,595
501	Fremont	2,219	1,086	6-21	975	950	400	521	527	441	466	907	466	173	138,725
502	Gallion	2,653	1,065	6-21	975	904	200	580	635	412	503	995	503	193	186,722
503	Gallipolis	2,181	1,069	6-21	932	965	50	544	585	354	441	1,219	441	171	141,588
504	Greenville*	1,429	699	6-21	(1,241)	1,241	.....	(1,098)	.....	(753)	753	1,098	753	180	133,540

\*The colored schools were in session 180 days.

b In 1887-88.

a Estimated.

\*Statistics of 1887-88.



TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	Total population (estimated) in 1888.	Population 4-21.	Population 6-14.	School-census age.	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.				Average daily attend- ance in public day schools.		Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.
					Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
OHIO—continued.																
505 Hamilton.....	16,000	9,087	2,979	6-21	2,672	2,615	5,287	901	1,077	1,119	2,196	851	919	1,770	191	338,070
506 Kenton.....	13,000	4,018	1,966	6-21	1,757	1,733	3,490	300	935	1,120	2,115	769	861	1,630	184	299,920
507 Kenton*.....	4,200	1,614	791	6-21	1,757	1,733	3,490	.....	935	1,120	2,115	769	861	1,630	184	299,920
508 Lancaster.....	8,000	2,253	1,093	6-21	1,403	1,397	2,800	.....	621	567	1,188	494.3	470.9	965.2	100	183,388
509 Lima.....	17,000	4,039	1,977	6-21	1,811	1,697	3,508	230	1,032	1,080	2,112	801	808	1,609	174	279,965
510 Mansfield*.....	10,500	4,132	2,022	6-21	1,811	1,697	3,508	200	1,032	1,080	2,112	801	808	1,609	184	346,320
511 Marietta.....	6,000	2,176	1,065	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	174,218
512 Martin.....	4,750	1,906	1,033	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	133,920
513 Martin's Ferry.....	7,300	2,211	1,082	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	139,425
514 Massillon*.....	10,000	3,828	1,874	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	255,000
515 Middletown.....	8,000	2,481	1,214	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	134,000
516 Mount Vernon*.....	8,500	1,944	951	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	174,600
517 Nelsonville.....	5,000	1,686	825	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	135,540
518 Newark.....	16,000	4,411	2,174	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	335,517
519 Norwalk.....	10,000	2,691	1,317	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	182,084
520 Painesville.....	5,000	1,291	632	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	104,036
521 Piqua.....	8,000	3,128	1,531	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	144,800
522 Pomeroy.....	5,000	2,009	983	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	137,880
523 Portsmouth.....	15,000	4,791	2,345	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	291,834
524 Salem.....	4,750	1,840	901	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	141,170
525 Sandusky.....	23,000	7,103	3,476	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	495,000
526 Sidney.....	5,400	1,734	849	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	130,800
527 Springfield*.....	35,000	10,517	5,147	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	327,756
528 Steubenville.....	35,000	5,046	2,469	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	197,825
529 Tiffin.....	12,000	3,265	1,598	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	193
530 Toledo.....	90,000	28,108	13,757	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	1,552,400
531 Troy.....	5,316	1,447	709	6-21	1,811	1,697	3,508	.....	526	559	1,085	419	528	947	184	127,145

532	Urban*.....	6,500	2,196	1,074	6-21	979	928	1,907	200	548	543	1,691	394	401	795	182	144,600
533	Van Wert.....	6,000	1,858	909	6-21	778	836	1,614	.....	592	631	1,273	433	525	958	175	164,983
534	Warren*.....	6,600	2,202	1,078	6-21	697	(1,912)	1,912	.....	(1,147)	553	1,147	433	(808)	868	190	164,920
535	Washington, C. H.....	6,000	1,605	785	6-21	697	697	1,912	10	531	553	1,084	400	412	812	180	146,160
536	Wooster*.....	6,800	2,245	1,099	6-21	1,950	(1,950)	1,950	1,400	(1,298)	701	1,298	502	(1,051)	1,054	210	210,800
537	Xenia*.....	10,000	2,708	1,325	6-21	1,139	1,139	2,352	250	669	701	1,400	502	528	1,020	193	198,790
538	Youngstown.....	25,000	9,308	4,661	6-21	(8,084)	8,084	8,084	1,500	2,020	2,010	4,030	1,522	1,518	3,400	619	657,600
539	Zanesville*.....	17,800	7,091	3,461	6-21	(6,159)	6,159	6,159	.....	(2,984)	2,984	2,984	(2,457)	2,457	2,457	190	466,830
OREGON.																	
540	Astoria.....	8,000	2,133	1,675	4-20	1,725	1,675	1,300	40	4,408	4,381	4,789	4,233	4,216	4,419	4,200	689,890
541	Portland.....	37,000	8,667	4,232	4-20	3,899	4,314	8,146	1,135	2,122	2,440	4,562	(3,213.4)	262	3,213.4	189	607,333
542	Salem.....	6,500	2,459	1,201	4-20	1,111	1,200	2,311	275	552	489	1,041	335	262	597	188	112,236
PENNSYLVANIA.																	
543	Allegheny.....	102,000	.....	.....	d6-21	.....	.....	.....	4,000	7,629	7,842	15,471	6,114	6,268	12,382	(c)	62,352,580
544	Allentown.....	25,000	.....	.....	d6-21	.....	.....	.....	250	2,117	2,039	4,156	1,719	(3,109)	3,109	1,925	593,883
545	Altoona.....	30,000	.....	.....	d6-21	.....	.....	.....	300	2,458	2,536	4,994	527	1,789	3,508	180	631,440
546	Ashland.....	7,000	.....	.....	d6-21	.....	.....	.....	25	729	729	1,458	602	671	1,026	180	181,680
547	Beaver Falls.....	9,500	.....	.....	d6-21	.....	.....	.....	100	820	934	1,754	602	671	1,273	160	203,680
548	Bellefonte.....	5,000	.....	.....	d6-21	.....	.....	.....	250	345	395	740	271	319	590	160	94,400
549	Bethlehem*.....	8,000	.....	.....	d6-21	.....	.....	.....	.....	400	465	955	360	336	696	198	137,808
550	Bloomsburg*.....	5,000	.....	.....	d6-21	.....	.....	.....	.....	363	344	707	(514)	514	514	(e)	677,100
551	Bradford*.....	7,000	1,229	605	d6-21	490	575	1,005	350	398	598	995	358	528	886	180	169,480
552	Bradford.....	11,000	.....	.....	d6-21	.....	.....	.....	250	969	1,038	2,007	712	784	1,496	180	269,280
553	Bristol.....	271	.....	.....	d6-21	.....	.....	.....	225	337	333	740	(464)	464	464	200	92,800
554	Butler.....	8,000	.....	.....	d6-21	.....	.....	.....	200	805	776	1,581	526.5	514.5	1,041	160	164,696
555	Carlisle.....	12,000	.....	.....	d6-21	.....	.....	.....	200	918	987	1,905	(1,221)	1,221	1,221	200	244,200
556	Caselle.....	9,200	.....	.....	d6-21	.....	.....	.....	50	523	552	1,085	(968)	968	1,085	200	193,600
557	Chambersburg.....	7,500	.....	.....	d6-21	.....	.....	.....	100	743	752	1,495	650	660	1,310	180	235,800
558	Chester.....	20,000	.....	.....	d6-21	.....	.....	.....	300	1,568	1,630	3,198	1,094	1,139	2,233	170	442,134
559	Columbia.....	10,000	2,475	1,216	6-21	1,030	1,105	2,145	125	1,030	1,630	1,709	687	724	1,411	170	239,870
560	Connellsville.....	5,000	.....	.....	d6-21	.....	.....	.....	400	333	353	1,321	214	261	732	160	117,120
561	Conshohocken.....	8,000	.....	.....	d6-21	.....	.....	.....	600	553	568	1,314	(840)	840	840	180	151,200
562	Corry.....	7,500	.....	.....	d6-21	.....	.....	.....	50	626	675	1,314	(1,063)	1,063	1,063	172	182,836
563	Danville.....	8,000	.....	.....	d6-21	.....	.....	.....	.....	669	675	1,314	403	422	1,063	172	182,836
564	Du Bois.....	7,000	.....	.....	d6-21	.....	.....	.....	.....	626	675	1,314	403	422	1,063	172	182,836
565	Dunmore.....	8,500	2,124	1,070	6-21	834	1,007	1,811	50	734	907	1,999	516	687	1,203	200	210,600
566	Eaton*.....	16,000	.....	.....	d5-21	.....	.....	.....	1,800	1,222	1,203	2,425	(1,576)	1,576	1,576	(c)	650,440
567	Erie.....	36,000	.....	.....	d5-21	.....	.....	.....	.....	2,654	2,620	5,274	1,989	2,014	4,003	493	677,579
568	Franklin*.....	8,000	.....	.....	d5-21	.....	.....	.....	25	678	732	1,410	(1,183)	1,183	1,183	(f)	620,110
569	Greenville.....	4,500	.....	.....	d6-21	.....	.....	.....	600	3,167	3,416	6,613	362	375	737	160	110,356
570	Harrisburg.....	40,000	.....	.....	d6-21	.....	.....	.....	25	449	454	963	2,113	2,293	4,066	136	860,468
571	Hazleton.....	12,000	.....	.....	d6-21	.....	.....	.....	440	849	889	1,738	285	283	1,294	179	231,625
572	Honesdale.....	4,600	921	451	6-21	400	398	798	90	305	375	680	505	525	568	180	94,106
573	Huntington.....	5,000	.....	.....	d6-21	.....	.....	.....	.....	550	590	1,140	505	525	1,030	170	175,160
574	Johnstown*.....	10,000	.....	.....	d6-21	.....	.....	.....	.....	897	979	1,876	(1,426)	1,426	1,426	180	256,680
575	Lancaster.....	30,000	.....	.....	d6-21	.....	.....	.....	500	2,466	2,458	4,924	(3,184)	3,184	3,184	200	636,800

\* Statistics of 1887-88.      a In 1887-88.      b Estimated.      c The schools were taught 10 months.      d Legal school age.      e The schools were taught 8 months.

f The schools were taught 9 months.      g The schools were taught 10 months.

TABLE 14.--Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants--Continued.

City.	Total population (estimated) in 1888.	Population 4-21.	Population 6-14.	School-census age.	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.			Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.
					Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PENNSYLVANIA—continued.																
576 Lebanon*	18,000	2,860	1,408	6-21	1,170	1,308	2,478	350	970	1,108	2,078	897	950	1,847	180	332,460
577 Lock Haven	8,000			6-21				200	635	705	1,340	574	650	1,224	(a)	6183,600
578 McKeesport	20,000			6-21				300	1,340	1,333	2,673	574	650	1,224	(a)	375,900
579 Mahanoy City	11,000			6-21				100	909	838	1,747	640	642	1,282	180	230,760
580 Mauch Chunk*	4,000			6-21					334	272	606	707	(528)	528	(d)	6100,320
581 Meadville	12,000			6-21				400	899	953	1,852	707	805	1,512	180	272,160
582 Mechanicsburgh	4,000			6-21				0	255	305	560	210	260	470	175	82,250
583 Middletown	6,000			6-21					439	394	833	321	(653)	653	(a)	697,950
584 Monongahela	4,500			6-21				25	444	444	888	321	303	624	160	99,840
585 Nanticoke	11,000			6-21	61,000	61,000	62,000	250	698	817	1,515	504	629	1,133	180	203,940
586 New Brighton*	5,000			6-21	61,000	61,000	62,000	100	470	575	1,045	338	412	750	180	135,000
587 New Castle	16,000			6-21				600	1,056	1,086	2,142	745	875	1,620	180	291,600
588 Norristown	18,000			6-21				350	1,287	1,207	2,504	905	886	1,791	200	358,200
589 Oil City*	14,000			6-21					1,014	1,031	2,045	(1,524)	(1,524)	1,524	(e)	6258,880
590 Philadelphia	1,182,175			6-17				25,500	(49,541)	(49,541)	163,206	(96,616)	(96,616)	96,616	205	19,806,280
591 Phoenixville	8,000	2,058	1,013	6-21	879	904	1,782	20	55,817	57,848	1,333	498	549	1,047	180	188,460
592 Pittsburgh	290,000			6-21				12,000	14,820	15,046	29,866	10,986	10,766	21,752	200	4,350,400
593 Pitston	12,000			6-21				700	542	639	1,181	415	489	904	180	162,720
594 Plymouth	12,000			6-21				450	655	797	1,452	445	532	977	160	156,320
595 Pottstown	14,000			6-21					1,041	999	2,040	760	785	1,545	200	304,200
596 Pottsville	14,000			6-21				200	1,348	1,119	2,467	(1,797)	(1,797)	1,797	200	359,400
597 Reading	65,000			6-21				1,100	3,788	3,831	7,619	3,071	3,160	6,231	200	1,246,200
598 Renovo	4,000			6-21					304	306	610	(438)	(438)	448	(a)	1,667,200
599 St. Clair*	4,500			6-21					367	389	766	(431)	(431)	431	(e)	673,720
600 Scranton	90,000			6-21				2,500	5,108	5,522	10,630	5,059	3,688	8,747	195	1,705,665





TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	1	2	3	4	5	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pupils enrolled in all public day schools.			Average daily attendance in public day schools.			Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.
						Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.		
TEXAS—continued.																	
Dallas .....	639	43,000	14,800	7,645	8-16	797	912	6,797	200	743	821	3,266	(1,833)	245	1,833	175,346	
Denison .....	640	16,000	8,722	1,922	8-16	457	457	914	45	418	423	1,564	(1,002)	.....	175	175,346	
El Paso .....	641	12,000	1,990	1,028	8-16	457	457	914	350	1,218	1,219	2,437	(1,746)	.....	180	314,280	
Fort Worth .....	642	22,500	5,400	2,802	7-18	1,610	1,676	3,286	300	2,029	2,033	4,062	1,427	1,538	3,015	500,354	
Galveston .....	643	47,348	20,386	10,630	8-16	(9,362)	2,836	9,362	2,000	1,503	1,619	3,122	(2,097)	.....	174	364,878	
Houston .....	644	40,000	12,095	6,243	8-16	2,714	2,836	5,550	300	1,503	1,619	3,122	(2,097)	.....	174	364,878	
Marshall .....	645	10,000	3,267	1,657	8-16	(1,500)	.....	1,500	.....	(1,118)	.....	1,118	(725)	.....	100	72,500	
Palestine .....	646	7,000	2,618	853	8-16	625	628	1,253	150	810	845	1,555	501	616	1,117	201,060	
Paris .....	647	12,000	5,422	2,827	8-16	1,260	1,253	2,513	250	810	845	1,555	501	616	1,117	201,060	
San Antonio .....	648	55,000	21,855	11,290	8-16	(10,037)	.....	10,037	650	573	650	1,223	(903)	.....	180	400,266	
Sherman .....	649	11,500	3,375	1,743	8-16	(1,550)	.....	1,550	.....	126	1,160	2,286	(1,350)	.....	180	162,622	
Waco .....	650	23,000	9,273	2,662	7-18	1,548	1,583	3,136	.....	126	1,160	2,286	(1,350)	.....	180	624,000	
UTAH.																	
Logan .....	651	5,000	1,660	834	6-18	550	622	1,172	75	391	313	704	(285)	.....	194	55,290	
Ogden City .....	652	19,470	3,726	1,873	6-18	1,391	1,239	2,630	700	528	453	985	(676)	.....	195	131,820	
Provo City .....	653	5,400	1,739	870	6-18	582	639	1,221	225	407	396	803	153	144	297	437,500	
Salt Lake City .....	654	30,000	.....	.....	6-18	.....	.....	.....	1,500	1,800	1,700	3,500	1,300	1,200	2,600	437,500	
VERMONT.																	
Bennington * .....	655	4,500	.....	578	5-20	.....	504	990	200	(595)	375	595	(467)	.....	195	91,065	
Brattleborough .....	656	6,500	1,203	1,476	5-19	486	504	990	175	360	375	735	(685)	.....	177	123,345	
Burlington .....	657	15,000	3,072	1,476	5-18	(2,344)	.....	2,344	1,452	(1,757)	.....	1,757	(1,183)	.....	190	200,197.5	
Rutland .....	658	13,000	5,884	2,827	8-14	(2,110)	.....	2,110	400	(1,054)	.....	1,054	(906)	.....	190	172,150	
St. Albans * .....	659	5,000	.....	.....	.....	.....	.....	.....	.....	(839)	.....	839	.....	.....	190	.....	

660	St. Johnsbury c.	4,500	.....	.....	.....	.....	.....	330	(400)	460	(403)	403	205	88,587
VIRGINIA.														
661	Alexandria.....	17,000	5,234	2,605	5-21	2,575	2,271	4,816	902	1,666	706	1,286	193	243,198
662	Danville.....	8,500	3,338	1,719	5-21	(3,089)	830	3,089	(1,423)	1,423	(919)	919	184	169,066
663	Fredericksburgh.....	5,800	1,718	885	5-21	760	830	1,590	(847)	847	(671.1)	671.1	188	126,166.8
664	Fredericksburgh*.....	18,300	6,794	3,490	5-21	3,089	3,201	6,290	1,410	3,093	(2,377)	2,377	193	428,761
665	Manchester.....	6,800	2,696	1,389	5-21	(2,496)	7,430	2,456	(1,063)	1,063	(680)	680	120	140,400
666	Norfolk.....	29,000	8,026	4,133	5-21	67,331	67,331	67,331	(2,455)	2,455	(1,702.5)	1,702.5	189	321,772.5
667	Petersburgh.....	25,000	67,918	44,078	5-21	63,569	63,762	67,331	1,456	3,191	(1,702.5)	1,702.5	185	430,125
668	Portsmouth.....	13,000	3,580	1,844	5-21	(3,315)	8,954	3,315	(1,509)	1,509	(1,087)	1,087	200	207,400
669	Richmond.....	85,000	23,415	12,059	5-21	12,725	8,954	21,679	4,549	11,371	3,751	9,379	181	1,697,399
670	Roanoke.....	4,000	1,472	756	5-21	(1,366)	957	1,366	(1,700)	1,700	(811)	811	160	129,760
671	Staunton.....	8,000	2,082	1,072	5-21	970	900	1,927	553	1,130	488.9	436.4	d180	148,456
672	Winchester *.....	5,000	1,901	979	5-21	860	900	1,760	400	786	300	567	190	106,039
WASHINGTON.														
673	Seattle.....	26,740	7,233	3,618	5-21	3,550	3,139	6,689	1,547	2,948	(1,762)	1,762	.....	.....
674	Spokane Falls.....	15,000	1,925	964	5-21	950	831	1,781	783	1,533	(787)	787	200	157,400
675	Tacoma.....	15,000	2,313	1,157	5-21	1,081	1,058	2,139	1,192	2,294	645	594	200	247,725
676	Walla Walla.....	7,500	2,125	1,063	5-21	(1,965)	1,965	1,965	(1,119)	1,119	(538)	538	200	107,500
WEST VIRGINIA.														
677	Charleston.....	7,500	2,100	1,085	6-21	(1,800)	675	1,800	578	1,173	387	396	176	137,308
678	Grafton.....	4,200	1,516	783	6-21	625	675	1,300	400	900	300	350	160	104,000
679	Martinsburgh.....	8,000	2,503	1,293	6-21	1,121	1,025	2,146	677	1,338	593	587	190	224,200
680	Parkersburgh.....	12,000	2,857	1,475	6-21	1,160	1,289	2,449	878	1,861	685	586	192	244,032
681	Wheeling.....	31,578	11,540	5,959	6-21	4,936	4,957	9,893	2,590	5,183	1,959	3,998	200	799,000
WISCONSIN.														
682	Appleton.....	12,000	4,530	2,123	4-20	1,960	2,260	4,220	1,098	2,119	725	901	172	279,672
683	Baraboo.....	5,000	1,311	649	4-20	575	693	1,268	478	1,050	(715)	715	176	126,883.5
684	Beaver Dam.....	4,500	1,791	867	4-20	819	874	1,693	371	1,734	(575)	575	200	115,000
685	Beloit.....	6,000	1,661	805	4-20	757	816	1,573	380	1,183	(794.8)	794.8	190	147,706
686	Berlin.....	4,400	1,481	717	4-20	697	763	1,400	425	867	(587.7)	587.7	180	103,784
687	Chippewa Falls.....	13,000	2,614	1,265	4-20	1,183	1,283	2,471	(1,051)	1,051	(767)	767	180	130,976
688	Eau Claire.....	25,000	5,511	2,667	4-20	2,569	2,642	5,211	(3,079)	3,079	(1,844)	1,844	180	331,905
689	Fond du Lac.....	14,000	5,729	2,514	4-20	2,460	2,451	4,911	600	2,226	(1,683)	1,683	196	330,016
690	Port Howard.....	9,000	1,616	782	4-20	747	781	1,523	300	816	(520)	520	190	98,805
691	Green Bay.....	2,899	1,360	660	4-20	1,353	1,303	2,656	300	1,239	465	424	197	175,133
692	Janesville.....	12,000	64,292	2,077	4-20	62,038	62,020	64,292	300	1,667	597	618	190	230,850
693	Kenosha.....	7,500	2,005	949	4-20	979	897	1,876	354	712	(6453)	6453	a150	689,017
694	La Crosse.....	28,148	8,168	3,953	4-20	3,769	3,953	7,722	2,261	4,589	1,527	1,484	196	591,617
695	Madison.....	14,500	4,600	2,226	4-20	2,089	2,260	4,349	670	1,952	786	801	185	293,054
696	Martinet *.....	7,000	2,794	1,352	4-20	1,316	1,325	2,641	748	1,413	.....	.....	200	.....
697	Menasha.....	5,000	1,567	758	4-20	749	732	1,481	220	1,455	(420)	420	190	79,800

\* Estimated.

b Statistics of 1887-88.

c Owing to a change in the school year this report covers the period between April 1, 1888, and June 30, 1889.

d Colored schools in session 156 days.



TABLE 14.—Statistics for 1888-89 of population, and school enrollment and attendance in cities and villages containing over 4,000 inhabitants—Continued.

City.	2	Total population (estimated) In 1888.	3	Population 4-21.	Population 6-14.	School-census age.	Number of children of school-census age.			Estimated number of pupils in private and parochial schools who did not attend the public schools during the year.	Number of different pu- pils enrolled in all public day schools.			Average daily attend- ance in public day schools.			Number of days public schools were actually taught.	Total attendance in days of all pupils in public day schools.
							Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.	Total.		
WISCONSIN—cont'd.																		
Menomonic .....	6,000	1,745	845	4-20	869	781	1,650	640	710	630	1,340			(954.6)		180	171,831	
Merrill .....	6,000	1,399	677	4-20	670	652	1,322	200	(957)		1,957			(616.8)		170	104,853	
Milwaukee .....	191,275	66,067	31,976	4-20	30,719	31,742	62,461	0	(26,526)		26,526			(19,041)		193	3,444,685	
Monroe .....	4,000	1,271	615	4-20	623	580	1,203	200	(1,120)		1,120					176	122,794.5	
Neenah .....	5,000	2,124	1,028	4-20	926	1,082	2,008	200	459	507	966			314	349	185	136,000	
Oconto .....	4,000	1,513	732	4-20	741	680	1,420		366	370	736			320	360	200	330,631	
Oshkosh .....	26,000	7,730	3,741	4-20	3,651	3,657	7,308		(2,514)		2,514					200	113,731	
Portage .....	8,870	1,782	863	4-20	842	843	1,685	250	(887)		887			(568.6)		200	479,061.1	
Racine .....	23,000	8,106	3,923	4-20	3,671	3,992	7,663	984	1,589	1,557	3,146			1,219.9	1,184.8	200	291,389.5	
Sheboygan .....	15,000	5,451	2,580	4-20	2,529	2,510	5,039	1,000	1,130	1,112	2,242			(1,502)		194	154,374	
Stevens Point .....	8,500	2,893	1,400	4-20	1,340	1,395	2,735	300	616	683	1,329			362	450	190	175,230	
Watertown * .....	10,000	3,721	1,803	4-20	1,814	1,707	3,521	900	589	629	1,218			431	445	189	118,265	
Wausau .....	9,000	3,107	1,563	4-20	1,460	1,477	2,937	350	740	767	1,507			(625.4)		189	618,200	
White Water .....	5,000	1,370	663	4-20	649	616	1,265	127	343	381	724			236.1	264.1	196	97,309	
WYOMING.																		
Cheyenne .....	8,000							150	486	461	947			320	293	182	115,005	

\* Statistics of 1887-88.

a In 1887-88.

b Estimated.

TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>ALABAMA.</b>													
1 Birmingham.....	1	0	1	11	39	50	17	\$2,400	\$1,000	\$450	7	2,025	No.
2 Eufaula.....				2	3	5		50			2	300	No.
3 Huntsville.....											2		
4 Lively.....				2	5	7					2	500	No.
5 Mobile.....				12	56	68					11	1,532	No.
6 Montgomery.....				4	31	35	1	2,000	700	300	5		No.
7 Selma.....				4	15	19					2	861	No.
8 Tuscaloosa.....	1	0	1	4	10	14	2	1,500		360	4	525	No.
<b>ARIZONA.</b>													
9 Tucson.....				1	10	11		1,500			3	700	No. a
<b>ARKANSAS.</b>													
10 Fort Smith.....	2	0	2	6	22	28	1	1,800	1,000	500	5	2,060	No.
11 Helena.....				2	6	8					3	480	No.
12 Little Rock.....	1	0	1	5	48	53		2,100			14	2,530	No.
13 Pine Bluff.....				3	17	20		1,850			1	2,000	No.
14 Texarkana.....				4	11	15		1,000			3	800	No.
<b>CALIFORNIA.</b>													
15 Chico.....	1	0	1	3	11	14		1,350	1,350	675	3	1,050	No.
16 Eureka.....	0	0	0	4	16	20			950	618	12	1,050	No.
17 Los Angeles.....	1	3	4	10	141	151	1	3,000	1,020	765	25	5,271	No.
18 Marysville.....	1	0	1	2	8	10			1,063	638	2	550	No.
19 Oakland.....				13	136	149		2,500	1,340	916	16		No.
20 Pasadena.....	1	3	4	5	28	33	1	2,000	1,100	729	6	1,612	No.
21 Riverside.....				2	13	15		1,500		675	4		No.
22 Sacramento.....	3	2	5	1	84	85	4	2,700	1,450	723	13	4,000	No. a
23 San Francisco.....	18	37	55	44	709	753	36	4,000	1,741	908	74	38,445	No.
24 San Jose.....	0	0	0	9	46	55	3	1,500	1,200	730	5	2,549	No.
25 Santa Cruz.....				3	20	23		1,750	1,250	600	5	1,250	No.
26 Santa Rosa.....	1	0	1	3	17	20		1,800	1,950	618	3	950	No.

a Except to indigent pupils.

\* Statistics of 1887-88.

TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>CALIFORNIA—continued.</b>													
27 Vallejo.....	0	0	0	4	15	19	3	\$180	\$1,212	\$673	3	.....	No.
28 Woodland.....	0	0	0	2	12	14	.....	1,500	1,250	540	3	.....	No.
<b>COLORADO.</b>													
29 Aspen.....	1	0	1	0	10	10	0	1,800	1,000	720	2	500	No.
30 Colorado Springs.....	1	0	1	3	21	24	.....	1,000	700	650	4	1,000	No.
31 Denver (District No. 1).....	.....	.....	.....	.....	(119)	119	.....	.....	.....	.....	.....	.....	.....
32 Leadville.....	1	.....	.....	1	15	16	1	2,000	800	640	2	900	No. a
33 Pueblo (District No. 1).....	1	.....	.....	24	617	621	.....	.....	.....	.....	63	6900	.....
<b>CONNECTICUT.</b>													
34 Bridgeport.....	2	0	2	5	130	135	.....	2,500	700	500	18	6,967	No. c
35 Bristol.....	1	0	1	27	30	32	4	1,500	.....	.....	12	1,400	No. c
36 Hartford.....	.....	.....	.....	27	132	179	.....	1,000	.....	.....	18	7,298	No. c
37 Meriden.....	0	0	0	10	76	86	.....	.....	.....	.....	16	4,230	No. c
38 Middletown.....	0	1	1	1	20	21	6	1,050	476	450	3	1,050	No. c
39 New Britain.....	1	0	1	3	41	44	.....	600	2,133	573	10	2,275	No. a
40 New Haven.....	12	7	19	9	288	297	.....	3,000	.....	.....	39	12,462	No. a
41 New London.....	1	1	2	2	14	16	.....	.....	.....	.....	6	.....	No. c
42 Norwich.....	1	1	2	3	29	32	2	275	1,300	500	6	1,215	No. c
43 Rockville.....	0	0	0	3	25	28	5	1,550	1,000	360	9	1,500	No. c
44 South Norwalk.....	.....	.....	.....	1	18	19	.....	.....	.....	468	2	920	No. c
45 Stamford.....	0	0	0	.....	(40)	40	.....	.....	.....	.....	.....	.....	No. a
46 Thompsonville.....	0	0	0	1	12	13	2	0	800	425	3	.....	No. a
47 Willimantic.....	0	0	0	1	17	18	.....	.....	.....	.....	.....	.....	No. a
<b>DAKOTA.</b>													
48 Deadwood.....	.....	.....	.....	1	5	6	0	1,500	.....	750	1	150	No. c
49 Fargo.....	.....	.....	.....	1	22	23	.....	1,800	.....	.....	5	1,210	No. c
50 Grand Forks.....	1	0	1	1	14	15	0	1,500	1,500	585	2	632	No. c
51 Sioux Falls.....	1	0	1	1	0	1	0	1,500	500	444	5	.....	No. c
52 Yankton.....	1	0	1	0	13	13	.....	1,500	.....	425	3	600	No. c



DELAWARE.										
53	New Castle.....	1	0	1	1	8	9	363	3	450
54	Wilmington.....	9	4	13	61	417	478	1,000	25	7,952
DISTRICT OF COLUMBIA.										
55	Washington (white schools principally).....	6	0	6	17	185	202	2,000	73	23,900
56	Washington (colored schools).....	3	0	3	4	6	10	2,700	21	7,864
FLORIDA.										
57	Palatka.....	1	0	1	3	17	24	2,250	4	490
58	Pensacola.....	0	0	0	7	17	24	600	9	1,600
59	Tampa.....	0	0	0	3	6	9	450	3	No.
GEORGIA.										
60	Americus.....	0	0	0	4	13	17	1,250	2	845
61	Athens.....	1	1	2	4	20	24	1,800	4	1,000
62	Atlanta.....	1	1	2	12	106	118	2,400	14	6,023
63	Augusta.....	11	40	51	11	51	51	1,800	8	3,200
64	Columbus.....	5	34	39	4	34	4	1,600	6	1,796
65	Griffin *.....	(10)	4	36	10	36	10	2,100	8	1,600
66	Macon.....	2	0	2	4	36	40	1,450	8	5,000
67	Rome *.....	1	0	1	28	85	113	3,000	No.	No.
68	Savannah.....	0	0	0	1	10	11	No.	10	No.
IDAHO.										
69	Boisé City.....	0	0	0	1	10	11	No.	6	2,150
ILLINOIS.										
70	Aurora *.....	1	0	1	4	44	48	2,000	4	1,000
71	Beardstown.....	5	1	6	13	36	49	1,300	4	720
72	Belleville.....	1	0	1	2	16	18	2,000	6	2,500
73	Belvidere.....	0	0	0	2	16	18	900	1	No. a
74	Bloomington.....	0	0	0	2	74	76	1,800	11	No. e
75	Braidwood.....	1	0	1	19	2	21	836	5	No. a
76	Carle.....	0	1	1	1	26	27	1,400	8	No. a
77	Canton.....	0	1	1	2	24	26	459	6	1,318
78	Carlinville.....	1	0	1	2	9	11	1,400	9	1,200
79	Centralia.....	1	0	1	2	16	18	1,100	1	900
80	Champaign.....	1	0	1	0	15	15	560	4	No.
81	Chicago.....	56	54	110	40	1,613	1,653	5,000	100	85,000
82	Danville *.....	1	0	1	7	41	48	1,700	7	No.
83	Decatur.....	1	0	1	5	41	46	858	8	No.
84	Effingham *.....	1	0	1	3	5	8	2,000	2	500
85	Elgin.....	1	0	1	3	43	46	720	11	No. a
86	Evanson.....	1	0	1	3	21	22	1,700	3	1,000
87	Freeport.....	1	0	1	1	21	22	2,000	5	No.
88	Galea.....	1	0	1	3	33	36	1,800	4	422
89	Galesburg.....	3	1	4	3	42	45	1,200	5	1,800
90	Geneseo.....	0	0	0	3	42	45	385	7	No.
								1,800	7	2,100
								557	4	675
								750		No.

*d* This report covers the five central school districts only.  
*e* Some books are furnished free.

*b* In 1887-88.  
*c* Books are furnished in some of the districts.

\* Statistics of 1887-88.  
*a* Except to indigent pupils.

TABLE 15. —Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
I	2	3	4	5	6	7	8	9	10	11	12	13	14
ILLINOIS—continued.													
91 Jacksonville.....	0	0	0	2	38	40	0	\$1,200	\$674	\$450	7	1,550	Yes.
92 Joliet.....	1	0	1	3	57	60	.....	1,600	788	415	9	2,600	No.
93 Kankakee.....	.....	.....	.....	.....	21	22	0	1,200	850	379	4	1,200	No.
94 La Salle.....	.....	.....	.....	.....	17	21	.....	1,200	.....	.....	5	1,150	No.
95 Lincoln.....	2	1	3	2	19	21	2	1,400	500	450	3	1,100	No.
96 Litchfield.....	1	0	1	1	18	19	0	1,200	467	331	3	1,200	No.
97 Mendota.....	1	0	1	2	20	22	.....	1,333	550	427	1	1,533	No.
98 Moline.....	2	1	3	2	38	40	0	1,800	900	450	6	1,880	No.
99 Monmouth.....	.....	.....	.....	.....	22	22	0	1,250	.....	.....	4	1,100	No.
100 Olney.....	1	0	1	0	14	16	1	950	.....	360	1	930	No.
101 Ottawa.....	2	0	2	2	29	31	0	1,350	900	500	6	1,500	No.
102 Paris.....	1	0	1	0	20	20	1	1,700	533	408	3	1,050	No.
103 Pekin.....	.....	.....	.....	3	20	23	.....	1,500	.....	.....	5	1,200	No.
104 Peoria.....	8	4	12	3	125	129	8	2,750	1,500	550	13	6,300	No.
105 Peru.....	1	1	2	2	15	17	0	1,400	1,500	.....	4	1,800	No.
106 Pullman.....	.....	.....	.....	0	21	21	.....	1,800	.....	.....	4	1,800	No.
107 Quincy.....	2	2	4	4	59	63	.....	1,750	800	469	9	3,281	No.
108 Rock Island.....	2	0	2	4	44	48	.....	2,000	704	426	13	3,127	No.
109 Rockford.....	1	0	1	4	76	80	3	2,000	1,050	350	12	3,300	No. <sup>b</sup>
110 Springfield.....	1	1	2	8	73	81	.....	1,500	630	417	2	700	No. <sup>c</sup>
111 Sterling (District No. 3).....	1	1	2	2	13	15	.....	1,400	520	390	9	2,450	No.
112 Streator.....	1	0	1	1	42	43	0	1,400	520	390	9	2,450	No.
INDIANA.													
113 Anderson.....	1	0	1	4	12	16	0	1,125	600	415	4	1,000	No.
114 Aurora.....	.....	.....	.....	41	47	48	.....	1,125	675	450	2	1,800	Yes.
115 Brazil.....	1	0	1	6	11	17	2	1,100	585	360	4	1,050	No.
116 Columbus.....	1	0	1	4	230	234	1	1,485	540	402	4	1,396	No.
117 Crawfordville.....	.....	.....	.....	5	21	26	.....	1,600	.....	.....	3	1,185	No.
118 Elkhart.....	1	1	2	5	41	46	1	1,700	585	380	8	2,150	No.
119 Evansville.....	1	1	2	20	138	158	5	2,500	950	480	18	7,000	No.
120 Fort Wayne.....	2	10	12	5	106	111	0	2,500	840	480	13	4,200	No.
121 Frankfort.....	1	0	1	4	17	21	.....	2,500	840	480	3	4,200	No.

122	Goshen	0	0	3	23	26	1,500	336	4	1,300
123	Greencastle	0	0	2	19	23	1,500	540	4	1,500
124	Indianapolis	4	8	15	290	295	2,750	575	30	12,497
125	Jeffersonville	4	0	8	31	42	1,300	758	8	1,942
126	Kokomo	0	0	5	16	21	1,400	805	4	1,350
127	La Fayette*	0	0	5	44	52	2,000	590	7	1,200
128	La Porte	1	0	5	25	30	1,150	473	2	800
129	Lawrenceburg	0	0	4	12	16	1,600	451	6	1,864
130	Logansport	1	1	4	37	37	1,500	525	2	1,140
131	Madison*	0	0	5	27	30	1,500	800	4	1,200
132	Michigan City	3	0	3	18	23	1,500	540	4	1,200
133	Mount Vernon	1	0	5	14	19	1,400	610	5	1,400
134	Muncie	1	0	1	24	26	1,200	444	12	3,000
135	New Albany*	0	0	10	44	54	1,500	800	3	1,000
136	Peru	2	1	6	21	23	2,200	705	9	2,646
137	Richmond	2	1	6	56	62	1,250	450	3	1,200
138	Seymour	1	0	1	17	21	1,400	381	7	3,000
139	Shelbyville*	0	0	5	45	50	1,800	620	16	4,719
140	South Bend	1	0	1	98	112	2,500	755	2	1,085
141	Terre Haute	1	0	14	20	23	1,400	650	5	1,085
142	Valparaiso	0	0	2	18	20	1,700	690	2	1,085
143	Vincennes	2	4	3	20	23	1,100	421	5	1,085
144	Washington	1	0	6	12	18	1,100	478	4	1,080
IOWA.										
145	Atlantic	1	0	2	18	20	1,200	567	3	1,000
146	Boone	0	0	1	22	23	1,600	500	4	1,500
147	Burlington	0	0	15	74	89	1,900	1,150	12	4,200
148	Cedar Rapids	0	0	1	79	80	1,800	850	16	3,702
149	Clinton	1	0	(45)	45	45	1,700	629	14	3,354
150	Council Bluffs	1	2	3	69	71	2,250	660	8	1,500
151	Creston	1	0	2	27	30	1,400	453	10	4,286
152	Davenport	1	0	1	91	102	2,000	1,109	9	2,911
153	Des Moines, East	1	1	11	73	73	1,600	664	11	3,527
154	Des Moines, West	2	13	5	120	125	0	2,000	11	4,110
155	Dubuque	0	0	8	76	84	1,500	741	7	1,057
156	Fort Dodge	3	0	2	18	20	1,000	357	5	1,060
157	Fort Madison	1	0	3	23	32	1,800	570	7	2,400
158	Keokuk	5	1	10	40	50	1,400	1,042	3	809
159	Le Mars	1	0	1	19	20	1,500	620	4	1,000
160	Lyons	1	0	1	19	20	1,400	700	6	1,890
161	Marshalltown	1	1	1	42	43	1,800	630	4	1,088
162	Mount Pleasant	1	1	1	20	21	1,200	390	4	1,933
163	Muscataine	1	1	3	42	45	1,450	700	5	1,440
164	Nesquehota	1	0	2	31	33	1,900	640	6	2,000
165	Oskaloosa	1	1	2	44	45	2,000	422	3	750
166	Ottumwa	1	0	1	17	18	1,500	478	3	1,080
167	Sioux City	1	0	1	17	18	1,500	478	3	750
168	Waterloo* (east side)	1	0	1	17	18	1,500	478	3	750

**Books for supplementary reading are furnished free.**

*d* In 1887-88.  
*e* Alternate readers are furnished.

\* Statistics of 1887-88.  
*a* Members of training class.  
*b* A few are supplied.  
*c* Except to indigent pupils.

\* Statistics of 1887-88.  
 a Members of training class.



TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
KANSAS.													
169 Atchison .....	1	0	1	8	32	40	4	\$1,500	\$800	\$400	6	3,000	No.
170 Clay Centre .....	1	0	1	2	15	17	1	1,200	495	405	3	1,960	No.
171 El Dorado .....	1	0	1	2	17	19	3	1,000	504	437	5	1,104	No.
172 Emporia .....	1	0	1	3	35	38	5	1,600	600	420	9	1,800	No.
173 Fort Scott .....	1	0	1	6	34	40	.....	1,800	575	409	8	2,106	No. <sup>a</sup>
174 Hurlinson .....	1	0	1	2	29	31	.....	1,500	585	387	3	1,600	No. <sup>a</sup>
175 Independence .....	5	0	5	5	16	21	2	1,200	552	340	4	1,200	No.
176 Kansas City .....	1	0	1	20	66	86	6	2,000	765	450	18	4,434	No.
177 Lawrence .....	1	0	1	6	27	33	.....	1,200	595	425	11	1,754	No.
178 Leavenworth .....	1	0	1	9	49	58	5	2,400	840	638	10	2,874	No. <sup>a</sup>
179 Newton .....	1	0	1	4	19	23	0	1,350	645	491	3	1,290	No.
180 Ottawa .....	1	0	1	3	20	23	3	1,200	653	389	3	1,350	No.
181 Parsons .....	4	0	4	23	27	50	11	1,200	600	450	4	1,500	No.
182 Salina .....	1	1	2	3	21	24	.....	1,500	585	452	5	1,105	No.
183 Topeka .....	1	0	1	24	75	99	.....	2,500	.....	.....	23	.....	No.
184 Wellington .....	1	0	1	19	19	38	2	1,400	585	416	4	1,200	No.
185 Wichita .....	1	0	1	12	70	82	8	2,000	713	510	15	.....	No. <sup>a</sup>
186 Winfield .....	2	0	2	3	21	24	.....	1,500	550	438	5	1,200	No.
KENTUCKY.													
187 Ashland .....	1	0	1	1	11	12	.....	1,500	.....	.....	2	1,020	No.
188 Bowling Green* .....	1	2	3	7	53	60	8	1,800	1,250	511	6	63,300	No.
189 Covington .....	0	0	0	1	11	12	1	1,000	350	350	2	800	No.
190 Dayton .....	0	0	0	2	19	21	5	1,300	500	450	2	950	No.
191 Hopkinsville .....	5	5	10	45	50	95	4	1,000	1,200	540	7	62,500	No. <sup>a</sup>
192 Lexington .....	13	14	27	26	422	448	.....	2,500	1,480	486	34	.....	No. <sup>a</sup>
193 Louisville .....	4	2	6	4	52	56	6	1,600	423	300	6	3,300	No.
194 Newport .....	1	0	1	3	24	27	0	1,700	750	376	4	1,250	No.
195 Owensboro .....	1	1	2	9	19	28	2	1,500	900	405	9	1,886	No. <sup>a</sup>
196 Paducah .....	1	0	1	1	1	2	.....	1,500	600	530	1	300	No.
197 Paris .....	0	0	0	1	5	6	0	1,250	.....	.....	.....	.....	No.

	198	New Orleans*	LOUISIANA.		25	381	406	3,000		51	19,000	No.
	199	Auburn*	MAINE.		7	50	57	800		32	1,840	Yes.
	200	Augusta			4	40	44		273	26	1,753	Yes.
	201	Bangor			3	34	37	300		636	63,609	No.
	202	Bath*			0					18		Yes.
	203	Belfast*			0					20	1,931	No.
	204	Biddeford			1			1,600	375	20	1,700	No.
	205	Calais			9	37	46	1	900	13	1,700	No.
	206	Ellsworth			3	25	28	300	300	23		No.
	207	Lewiston			7	21	23	250		24	3,380	Yes.
	208	Portland			4	63	72	3	1,700	11	6,513	No. <sup>a</sup>
	209	Rockland			11	138	149	2,250	905	18	2,000	No.
	210	Saco			4	26	30		930	13		No.
					8	26	34	300	900			
			MARYLAND.									
	211	Baltimore			110	1,006	1,116	2,500		100	54,226	Yes.
	212	Frederick			3	15	18	1,200	450	5	1,040	No.
	213	Hagerstown			7	27	31		593	4	1,600	No.
			MASSACHUSETTS.									
	214	Attleborough			1	33	31	1,000	900	14	1,350	Yes.
	215	Beverly*			4	34	38			9	1,800	Yes.
	216	Boston			242	1,081	1,323			183		Yes.
	217	Brookton			7	66	73			27		Yes.
	218	Brookline			19	222	211	2,500	2,030	12		Yes.
	219	Cambridge			3		49	3,000	2,000	83		Yes.
	220	Chelsea			7		211	2,400				Yes.
	221	Chicopee			19	222	211			69	61,550	Yes.
	222	Clinton			3	84	90	1,600	1,600	11	1,800	Yes.
	223	Danvers			6	84	90		1,175	11	1,300	Yes.
	224	Dedham			3	28	31	2	1,150	13		Yes.
	225	Everett			1	35	36		1,287	6	1,480	Yes.
	226	Fall River			0	24	28		1,455	42	10,757	Yes.
	227	Fitchburg			4	34	39		1,250	22	3,450	Yes.
	228	Gloucester			5	96	101	2,000	750	21	4,415	Yes.
	229	Haverhill			5	88	94	2,000	1,488	23		Yes.
	230	Holyoke*			8	82	90	2,300		16	3,208	Yes.
	231	Hyde Park			6	32	38	0	1,220	6	1,457	Yes.
	232	Lawrence			6	32	38		1,220	21	65,600	Yes.
	233	Lynn			14	180	194	2,200	800	46	9,757	Yes.
	234	Malden			12	143	155	2,600	1,785	31	7,588	Yes.
	235	Malden			5	75	80	2,250	1,700	12	3,859	Yes.
	236	Malden			2	28	30	2,100	900	12	61,579	Yes.
	237	Marblehead			2	28	30		888			Yes.
	238	Methuen			1	0	55					Yes.
	239	Milford			1	35	41	2,000	1,800	13	2,000	Yes.
	240	New Bedford			6	34	35	1,500	800	17	1,920	Yes.
	241	Newburyport			1	116	125	2,750	774	25	5,653	Yes.
					4	36	40	1,000	530	11	1,779	Yes.

\* Statistics of 1887-88.

b In 1887-88.

a Except to indigent pupils.

TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
MASSACHUSETTS—continued.													
242 Newton .....	1	0	1	17	89	106	0	\$2,800	\$1,900	.....	21	4,712	Yes.
243 North Adams .....	1	0	1	3	54	57	2	1,900	786	\$400	11	2,000	Yes.
244 Northampton .....	2	0	2	4	62	66	3	1,800	1,300	356	25	2,700	Yes.
245 Peabody .....	0	1	1	5	38	43	.....	.....	.....	.....	8	2,300	Yes.
246 Pittsfield .....	0	0	0	5	77	82	.....	1,500	1,000	350	27	3,000	Yes.
247 Plymouth .....	1	0	1	4	33	37	.....	1,200	.....	.....	a25	21,450	Yes.
248 Quincy .....	2	1	3	6	53	59	.....	1,558	926	435	8	.....	Yes.
249 Salem .....	.....	.....	.....	7	93	100	.....	0	1,039	546	16	4,483	Yes.
250 Somerville .....	2	3	5	10	129	139	37	2,500	1,043	571	27	6,000	Yes.
251 Southbridge .....	1	1	2	1	27	28	3	1,400	1,165	333	12	975	Yes.
252 Spencer .....	.....	.....	.....	(43)	43	43	0	1,100	.....	.....	29	6,049	Yes.
253 Springfield .....	2	3	5	10	132	142	.....	3,500	1,700	451	7	1,000	Yes.
254 Stoneham .....	2	0	2	2	24	26	.....	.....	.....	.....	32	2,587	Yes.
255 Taunton .....	2	0	2	10	87	97	6	2,300	600	.....	14	2,587	Yes.
256 Waltham .....	3	1	4	6	49	55	2	500	1,750	550	7	2,500	Yes.
257 Watertown .....	.....	.....	.....	5	25	30	1	.....	.....	.....	20	2,805	Yes.
258 Westfield .....	2	0	2	4	40	44	.....	1,800	925	360	20	2,805	Yes.
259 Weymouth .....	1	0	1	7	45	52	0	2,000	1,326	499	13	2,257	Yes.
260 Woburn .....	1	0	1	4	44	48	.....	3,500	1,167	572	47	13,437	Yes.
261 Worcester .....	0	0	0	25	276	301	0	.....	.....	.....	.....	.....	.....
MICHIGAN.													
262 Adrian .....	1	0	1	2	30	32	1	1,700	1,300	.....	5	1,791	No.
263 Alpena .....	1	1	2	4	26	30	.....	1,600	513	420	8	1,100	No.
264 Ann Arbor .....	1	0	1	8	37	45	1	2,200	575	486	7	2,000	No.
265 Battle Creek .....	.....	.....	.....	2	38	40	.....	1,600	.....	.....	4	1,900	No.
266 Bay City .....	.....	.....	.....	4	77	81	0	2,000	712	.....	10	4,050	No.
267 Big Rapids .....	1	0	1	2	22	24	.....	1,500	.....	.....	6	871	No.
268 Cadillac .....	2	0	2	1	16	17	0	1,400	512	415	2	370	No.
269 Cheboygan .....	2	0	2	2	6	8	.....	1,000	.....	.....	4	1,000	No.
270 Coldwater .....	1	0	1	2	20	22	.....	1,400	1,000	395	45	20,114	No. <sup>c</sup>
271 Detroit .....	1	.....	.....	20	397	417	.....	4,000	.....	.....	13	4,438	Yes.
272 East Saginaw .....	1	2	3	6	95	101	0	2,500	818	402	.....	.....	.....



[illegible]

\* Statistics of 1887-88.      *a* In 1887-88.      *b* Except supplementary readers.



NEBRASKA.									
349	Beatrice.....	2	0	2	3	27	30	.....	1,500
350	Premont.....	1	0	1	1	25	25	4	1,200
351	Grand Island.....				5	25	30	1	1,800
352	Hastings.....			1	2	25	25	0	1,500
353	Kearney.....		0	0	0	25	27	0	1,200
354	Lincoln.....		0	0	2	73	80	0	1,800
355	Nebraska City.....		0	1	5	22	27	0	1,500
356	Omaha.....		0	1	10	249	259	2	3,600
357	Plattsmouth.....		3	4	1	23	24	0	1,625
NEVADA.									
358	Carson City.....	0	0	0	1	10	11	1	644
359	Eureka.....	1	0	1	1	6	7	2	900
360	Gold Hill.....	1	1	1	1	8	9	1	1,100
361	Virginia City.....	3	0	3	2	20	22	3	1,500
NEW HAMPSHIRE.									
362	Concord.....	1	1	2	1	36	37	6	1,350
363	Dover*.....				2	39	41	.....	1,800
364	Keene.....	0	0	0	2	40	42	0	0
365	Manchester.....	2	0	2	7	69	75	.....	1,200
366	Nashua.....	2	2	4	2	45	47	.....	1,250
367	Portsmouth.....	2	2	4	6	30	36	4	1,800
368	Rochester.....	0	1	1	4	27	31	.....	1,610
NEW JERSEY.									
369	Atlantic City.....	1	0	1	0	34	34	2	600
370	Bayonne.....				5	46	51	.....	500
371	Bordentown*.....				2	11	13	.....	1,450
372	Bridgeton*.....				3	28	31	.....	.....
373	Burlington*.....				7	16	16	.....	.....
374	Camden.....				1	162	169	20	500
375	Elizabeth.....	5	3	8	0	62	62	.....	700
376	Gloucester City.....				1	10	11	.....	1,800
377	Hackensack.....	0	0	0	5	13	18	.....	1,200
378	Harrison.....				3	8	11	.....	1,200
379	Hoboken.....	3	1	4	(110)	339	342	60	3,500
380	Jersey City.....	17	21	38	3	12	13	.....	.....
381	Lambertville*.....				1	25	30	1	2,000
382	Long Branch.....	2	1	3	5	39	44	.....	550
383	Millville*.....				5	20	21	0	3,000
384	Montclair.....	1	0	1	2	18	20	.....	.....
385	Morrisdown.....				2	13	15	1	1,200
386	Mount Holly.....	0	0	0	1	48	49	.....	2,500
387	New Brunswick.....	1	0	1	9	382	391	33	3,000
388	Newark.....	25	6	31	1	32	33	6	92,300
389	Orange.....	1	2	3	1	32	33	.....	.....
390	Passaic.....	0	0	0	1	32	33	.....	1,900

\* Statistics of 1887-88. <sup>a</sup> Except to indigent pupils. <sup>b</sup> In 1887-88. <sup>c</sup> \$810 to \$380. <sup>d</sup> \$450 to \$315. <sup>e</sup> About one-half of the books are free. <sup>f</sup> Some books are furnished. <sup>g</sup> The superintendent is also principal of the high school.



TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text-books furnished free?
	Male.		Total.	Male.		Total.						
	6	3		4	5							
NEW JERSEY—continued.												
391 Paterson.....				15	186	201	\$2,000	\$1,140	\$470	15	8,521	Yes.
392 Perth Amboy * .....				1	9	10				2	500	Yes.
393 Phillipsburgh.....				1	29	31	1,410	438	328	6	1,722	No.
394 Plainfield.....	1	0	1	2	36	37		2,500	600	5	1,629	No.
395 Rahway.....				4	17	21	400	900	415	4	1,175	Yes.
396 Salem.....				3	21	24	145	638	370	6	1,214	No. <sup>a</sup>
397 Trenton.....				1	123	124	500	794	465	23	5,866	Yes.
398 Woodbury * .....				1	14	15				6	680	Yes.
NEW YORK.												
399 Albany.....	17	5	22	7	243	250	3,000	1,330	515	24	12,325	No.
400 Alton.....	1	0	1	1	17	18	800	1,000	350	6	1,056	No.
401 Amsterdam.....	2	0	2	3	32	35	1,400		440	6	1,500	No.
402 Auburn.....	0	2	2	5	92	97	2,000	700	415	15	4,069	No.
403 Batavia.....	1	0	1	0	20	20	1,800	500	400	5	900	No.
404 Binghamton.....	1	1	2	6	94	100	2,000	1,060	370	9	4,662	No. <sup>b</sup>
405 Brockport.....	0	0	0	0	6	6				3	280	(c)
406 Brooklyn.....	57	109	166	12	1,605	1,617	5,000			86	78,706	Yes.
407 Buffalo.....				48	634	682	4,500	1,200	500	48	21,943	No.
408 Canandaigua.....	1	2	3	2	21	23	1,700			5	950	No.
409 Catskill.....	1	0	1	3	13	16	1,200		400	2	825	No.
410 Cohoes.....	0	0	0	1	51	52	1,500			11	2,359	No. <sup>b</sup>
411 College Point.....	0	0	0	0	10	13		1,475	483	2		Yes.
412 Cortland.....	0	0	0	3	15	18	800			4	785	No.
413 Dansville.....	1	0	1	1	10	11	1,400	1,400	420	1	650	No.
414 Dunkirk.....	1	1	2	1	39	40	1,600	420	360	9	1,100	No.
415 Elmira.....	1	1	2	4	91	95	1,600	1,264	411	8	4,171	No. <sup>b</sup>
416 Flushing.....	6	2	8	4	91	95	2,000	650	500	2	1,000	Yes.
417 Fulton.....				1	20	21		1,800	425	4	830	No.
418 Geneva.....	1	1	2	1	20	21	1,500	975		4	1,676	No.
419 Gloversville.....	0	0	0	2	31	33	1,500	553	413	4	1,652	No.
420 Green Island.....	1	1	2	1	30	31	1,400	1,400	500	2	706	No.
421 Haverstraw.....				1	13	14						

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1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TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants.—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
1	2	3	4	5	6	7	8	9	10	11	12	13	14
NEW YORK—continued.													
Whitehall.....	1	0	1	0	16	16	.....	\$1,400	.....	\$350	5	900	Yes.
Yonkers.....	1	3	4	4	56	60	0	3,000	\$1,380	679	8	2,706	Yes.
NORTH CAROLINA.													
Asheville.....	1	2	3	6	17	23	2	1,200	500	280	3	1,100	No.
Durham.....	1	0	1	5	9	14	3	1,500	.....	.....	2	.....	No.
Fayetteville.....	1	0	1	3	11	14	3	800	.....	.....	3	750	No.
Goldsborough.....	1	0	1	3	15	18	.....	1,200	450	298	2	1,150	No.
Greensborough.....	0	0	0	4	5	9	.....	1,000	500	310	2	400	No.
New Bern.....	.....	.....	.....	6	12	18	.....	.....	400	.....	3	.....	No.
Raleigh.....	.....	.....	.....	10	28	38	.....	1,700	408	256	5	61,530	No.
Reidsville.....	.....	.....	.....	(12)	.....	12	.....	21,000	.....	.....	22	6,400	No.
Winston.....	.....	.....	.....	8	13	21	.....	1,800	1,000	.....	3	.....	No.
OHIO.													
Akron.....	4	0	4	2	87	89	13	2,500	785	466	11	4,700	No. b
Alliance.....	1	1	2	5	21	26	0	1,400	800	389	5	1,600	No. b
Ashabula.....	1	0	1	2	15	17	0	1,300	900	428	4	841	No. b
Belleaire.....	.....	.....	.....	3	29	32	.....	1,500	.....	.....	6	1,575	No.
Bellefontaine.....	.....	.....	.....	3	17	20	.....	1,200	567	369	3	812	No.
Bucyrus.....	0	0	0	3	17	20	.....	1,700	720	333	2	1,180	No.
Canton.....	.....	.....	.....	11	53	64	.....	2,000	.....	.....	11	.....	No.
Chillicothe.....	2	0	2	1	37	38	0	2,000	788	426	5	2,000	No. b
Cincinnati.....	.....	.....	.....	89	516	605	100	4,500	1,750	600	56	38,747	No. b
Cleveland.....	7	2	9	32	643	675	0	3,500	1,050	619	3	1,190	No. b
Cleveland.....	491	6	10	15	214	229	2	3,000	1,088	612	652	25,520	No. b
Columbus.....	492	3	0	8	163	171	.....	2,500	1,536	.....	19	6,760	No.
Dayton.....	493	1	0	0	23	23	.....	1,300	700	350	4	1,200	No.
Defiance.....	494	0	1	0	28	28	.....	1,750	.....	.....	7	.....	No.
Delaware.....	495	.....	.....	4	12	16	.....	1,200	.....	.....	3	900	No. c
Delphos.....	496	.....	.....	0	32	32	4	1,200	800	315	7	1,768	No. c
East Liverpool.....	497	.....	.....	20	20	20	.....	2,000	.....	400	5	976	No.
Elyria.....	498	.....	.....	1	0	1	.....	1,000	.....	.....	3	1,500	No.
Findlay.....	499	.....	.....	3	25	28	.....	1,000	.....	.....	3	.....	No.



500	Fosteria.....	1	0	1	2	3	17	19	3	1,500	630	.....	4	1,010	No.
501	Freemont.....	1	0	1	3	21	21	24	.....	1,840	700	401	6	1,150	No.
502	Gallatin.....	1	0	1	3	25	25	28	.....	1,300	850	338	2	1,120	No.
503	Gallipolis.....	1	0	1	7	15	15	28	.....	1,300	800	315	7	1,200	No.
504	Greenville*.....	1	0	1	10	37	47	5	.....	1,500	910	589	2	2,475	No. b
505	Hamilton.....	1	0	1	3	40	43	0	.....	1,800	700	450	5	1,415	No. b
506	Ironton.....	1	0	1	4	20	24	3	.....	1,350	.....	.....	3	1,400	No.
507	Kenton*.....	1	0	1	3	24	27	3	.....	1,500	783	487	5	2,395	No.
508	Lancaster.....	2	0	2	5	42	47	0	.....	2,000	1,200	400	8	63,030	No.
509	Lima.....	1	0	1	2	48	50	.....	.....	2,000	.....	.....	8	1,480	No.
510	Mansfield*.....	1	0	1	2	42	45	.....	.....	1,500	.....	.....	7	.....	No.
511	Marietta*.....	1	0	1	3	23	26	.....	.....	1,500	.....	.....	3	.....	No.
512	Marton.....	1	0	1	0	19	19	.....	.....	1,500	522	300	4	1,015	No. b
513	Martin's Ferry.....	1	0	1	3	17	20	4	.....	1,300	.....	.....	6	1,594	No.
514	Massillon*.....	1	0	1	3	25	28	.....	.....	1,800	.....	.....	4	1,300	No.
515	Middletown.....	1	0	1	0	24	24	3	.....	1,500	500	440	3	1,300	No.
516	Mount Vernon*.....	1	0	1	4	21	25	.....	.....	1,550	.....	.....	6	1,300	No.
517	Nelsonville*.....	1	0	1	1	18	19	3	.....	1,300	.....	.....	2	969	No.
518	Newark.....	1	0	1	5	49	54	.....	.....	1,800	600	.....	10	2,930	No.
519	Norwalk.....	1	0	1	5	25	30	1	.....	1,600	450	420	6	1,300	No.
520	Painesville.....	1	0	1	3	14	17	.....	.....	1,500	900	500	3	4600	No. d
521	Piqua.....	0	0	0	2	24	26	0	.....	2,000	450	.....	4	1,154	No. d
522	Pomeroy.....	0	0	0	5	18	23	.....	.....	900	562	363	7	.....	No.
523	Portsmouth.....	0	0	0	4	35	40	.....	.....	1,800	567	448	6	2,000	No.
524	Salem*.....	1	0	1	0	18	18	.....	.....	1,600	.....	.....	2	4980	No.
525	Sandusky.....	1	0	1	4	59	62	15	.....	1,400	750	.....	9	3,503	No.
526	Sidney.....	0	0	0	4	20	24	0	.....	1,200	549	405	5	931	No. b
527	Springfield*.....	0	0	0	(III)	111	.....	.....	.....	1,700	.....	.....	15	.....	No.
528	Staubenville.....	0	0	0	5	44	49	9	.....	1,750	917	438	6	2,167	No.
529	Tiffin.....	0	0	0	2	27	29	0	.....	1,800	510	400	5	1,440	No.
530	Toledo.....	1	0	1	17	189	206	0	.....	2,750	730	500	28	12,000	No.
531	Troy.....	3	0	3	4	19	23	0	.....	1,800	700	425	3	900	No. b
532	Urbana*.....	.....	.....	.....	7	14	21	.....	.....	1,800	.....	.....	6	1,000	No. b
533	Van Wert.....	.....	.....	.....	3	20	23	.....	.....	1,125	510	369	3	1,150	No.
534	Warren*.....	1	0	1	3	21	24	.....	.....	1,000	.....	.....	8	.....	No.
535	Washington C. H.....	0	0	0	4	22	26	.....	.....	1,500	980	459	4	61,000	No.
536	Wooster*.....	1	0	1	4	27	28	.....	.....	1,800	.....	.....	65	61,400	No.
537	Xenia*.....	1	0	1	1	27	34	.....	.....	1,000	.....	.....	6	1,458	No.
538	Youngstown.....	2	2	4	5	69	74	.....	.....	2,200	900	.....	610	63,206	No.
539	Zanesville*.....	1	0	1	7	61	68	.....	.....	2,000	.....	.....	616	.....	No.
540	Astoria.....	.....	.....	.....	a1	a10	a11	.....	.....	300	1,000	500	a2	.....	No.
541	Portland.....	3	5	8	5	84	89	0	.....	3,000	1,800	800	7	3,250	No.
542	Salem.....	1	0	1	3	13	16	.....	.....	1,100	1,750	470	3	814	No.
543	Allegheny.....	13	0	13	22	256	278	0	.....	2,200	1,358	537	23	10,000	No.
544	Allentown.....	1	0	1	14	60	74	.....	.....	1,500	.....	.....	11	4,200	No.
545	Altoona.....	1	0	1	10	80	90	7	.....	1,500	510	337	12	4,500	No.

b Except to indigent pupils.  
d Some books are furnished free.

a In 1887-88.

\* Statistics of 1887-88.  
c The board of education sells text-books at cost.

## OREGON.

## PENNSYLVANIA.







TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings in all public schools.	Are text-books furnished free?
	Male.	Female.	Total.	Male.	Female.	Total.							
<b>I</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>SOUTH CAROLINA.</b>													
625 Charleston.....	5	9	14	8	99	107	5	\$2,500	\$1,733	\$583	6	4,800	No.
626 Columbia.....	1	0	1	24	4	28	.....	1,500	.....	.....	4	1,192	No.
627 Greenville*.....	2	0	2	4	14	18	.....	1,000	.....	.....	4	500	No.
628 Spartanburgh, C. H.....	.....	.....	.....	2	9	11	.....	960	.....	232	5	.....	No.
<b>TENNESSEE.</b>													
629 Chattanooga.....	.....	.....	.....	11	45	56	.....	1,800	963	410	5	3,400	No.
630 Clarksville.....	1	0	1	4	17	21	.....	1,500	600	332	2	1,094	No.
631 Jackson.....	.....	.....	.....	3	19	22	3	1,500	675	416	4	2,180	No.
632 Knoxville.....	5	4	9	20	36	56	5	1,800	830	500	9	2,600	No.
633 Memphis.....	1	7	8	11	76	87	0	2,000	900	585	12	3,500	No.
634 Nashville.....	3	0	3	35	112	147	0	2,400	.....	.....	13	6,270	No.
635 Union City.....	1	0	1	2	9	11	2	1,200	500	400	3	800	No.
<b>TEXAS.</b>													
636 Austin.....	1	1	2	9	51	60	5	1,800	1,200	540	14	2,835	No.
637 Brenham.....	1	1	2	6	14	20	4	1,200	750	503	4	1,180	No.
638 Brownsville.....	0	0	0	3	9	12	2	.....	(1,300)	400	6	500	No.
639 Dallas.....	.....	.....	.....	17	33	50	3	.....	794	586	11	2,700	No.
640 Denison.....	1	0	1	3	23	26	.....	1,500	533	479	6	1,340	No.
641 El Paso.....	1	2	3	2	12	14	0	2,400	900	675	5	557	No.
642 Fort Worth.....	1	0	1	10	33	43	3	2,000	807	620	8	1,890	No.
643 Galveston.....	1	0	1	19	71	90	12	2,400	846	498	11	4,023	No.
644 Houston.....	1	0	1	16	38	54	6	2,000	771	510	12	2,420	No.
645 Marshall.....	1	0	1	9	8	17	.....	.....	.....	.....	17	.....	No.
646 Palestine.....	.....	.....	.....	4	7	11	0	1,500	1,000	.....	3	500	No.
647 Paris.....	1	0	1	3	27	30	1	1,700	720	495	4	1,420	No.
648 San Antonio*.....	1	2	3	(55)	65	65	1	1,500	630	500	11	3,416	No.
649 Sherman.....	7	1	8	2	17	19	2	1,500	687	553	3	1,050	No.
650 Waco.....	.....	.....	.....	10	27	37	.....	.....	.....	.....	10	2,000	No.
<b>UTAH.</b>													
651 Logan.....	0	0	0	3	2	5	.....	1,500	.....	711	6	1,270	No.
652 Ogden City.....	1	0	1	3	6	9	.....	.....	.....	.....	6	.....	No.

653	Provo City*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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\* Statistics of 1887-88.

a In 1887-88.

b Except music books and physiologies.

c Except to indigent pupils.

d Books are free in all grades below the sixth.

e Books are rented to pupils.

TABLE 15.—Statistics for 1888-89 of supervising officers, teachers, salaries, and accommodations in public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of supervising officers.			Number of regular class teachers.			Number of substitute teachers.	Annual salary of city superintendent.	Average annual salary of principals.	Average annual salary of other teachers.	Number of buildings used for school purposes.	Total number of seats or sittings for study in all public schools.	Are text books furnished free?
	Male.		Female.	Male.		Female.							
	2	3	4	5	6	7							
WISCONSIN—continued.													
692 Janesville.....	1	0	1	2	40	42	6	\$1,500	\$550	\$351	6	1,705	No.
693 Kenosha.....	1	2	3	8	15	16	2	2,200	1,200	382	4	1,740	No.
694 La Crosse.....	1	0	1	2	73	81	5	2,250	1,143	453	13	3,900	Yes.
695 Madison.....	1	0	1	1	43	45	.....	2,000	666	383	9	1,900	Yes.
696 Marinette.....	0	0	0	1	24	25	.....	.....	.....	.....	4	1,100	Yes.
697 Menasha.....	0	0	0	1	10	11	0	75	1,100	380	7	1,650	No.
698 Menomonie.....	0	1	1	2	23	25	.....	200	1,600	397	7	1,140	No.
699 Merrill.....	0	0	0	1	13	16	.....	250	1,900	336	4	1,000	No.
700 Milwaukee.....	29	5	34	6	335	401	11	3,000	1,464	560	35	22,366	No.
701 Monroe.....	0	0	0	1	16	17	0	1,200	1,300	327	3	1,000	No.
702 Neenah.....	1	0	1	2	17	19	.....	200	1,300	372	5	1,200	No. <sup>b</sup>
703 Oconto.....	0	0	0	0	10	15	.....	200	.....	.....	4	746	No.
704 Oshkosh.....	1	1	2	9	51	60	.....	600	.....	.....	9	3,500	No.
705 Portage.....	6	2	8	18	19	.....	.....	300	.....	353	5	1,210	No.
706 Racine.....	1	0	1	8	52	60	.....	1,200	1,112	405	8	3,200	No. <sup>b</sup>
707 Sheboygan.....	1	0	1	8	26	34	0	500	1,600	582	5	2,200	No. <sup>b</sup>
708 Stevens' Point.....	1	0	1	1	24	25	1	1,600	1,600	425	7	1,300	No.
709 Watertown*.....	1	0	1	3	21	24	.....	1,600	.....	.....	5	1,120	Yes.
710 Waukesha.....	1	0	1	1	16	17	0	300	1,500	425	3	800	No.
711 Wausau.....	2	0	2	3	22	25	.....	100	1,440	360	10	1,270	No.
712 White Water.....	1	0	1	2	13	15	.....	.....	1,050	420	2	692	No.
WYOMING.													
713 Cheyenne.....	1	0	1	3	20	23	1	2,000	800	700	3	850	No. <sup>b</sup>

\* Statistics of 1887-88.

<sup>a</sup> This number does not include twelve special teachers of German.<sup>b</sup> Except to indigent pupils.<sup>c</sup> In 1887-88.



TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants.

City.	Number of such schools.			Number of In-structors.			Number of dif-ferent pupils enrolled.			Average daily attend-ance.			Number of students in—						Number graduated during 1888-89.			Value of scientific ap-paratus.
	2	3	4	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Com mercial course.	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.		
1	ALABAMA.																					21
2	Birmingham .....	1	2	2	4	26	61	87	17	44	61		70	17		17		3	9	12	1,000	
3	Eufaula .....																					
4	Huntsville .....																					
5	Lively* .....	1	1	0	1																	
6	Mobile* .....	3	4	6	10	80	190	270	75	182	257			68	42			0	10	10	200	\$3,000
7	Montgomery .....	2	1	3	4	15	75	90													100	100
8	Selma .....																					
9	Tuscaloosa .....	1	2	0	2	28	16	44					44	0	0	0	0					
ARIZONA.																						225
10	Tucson* .....	1	1	0	1	(21)		21														
ARKANSAS.																						100
11	Fort Smith .....	1	3	2	5	40	60	100	30	50	80				0	0	25		4			1,000
12	Helena* .....	1	1	0	1	7	20	27	5	15	20			23								
13	Little Rock .....	2	2	2	4	50	130	180	42.5	117.4	159.9						180	1	19	20		200
14	Pine Bluff* .....	1																				
15	Texasarkana* .....	0		6																		
CALIFORNIA.																						
16	Chico .....																					
17	Eureka .....																					
18	Los Angeles .....	1	1	5	6	93	96	189	(175)	175	(189)	0	0		0	0	0	16	10	26	3,000	1,000
19	Marysville .....	1	0	1	1	22	12	34					11					0	3	3	1,000	600
20	Oakland .....	1	4	10	14	290	247	537	249	220	469	252	249					40	65	105	(b)	200

\* Statistics of 1887-88.

<sup>a</sup> The training class is not a part of the high school.<sup>b</sup> The library has been destroyed by fire.

TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of in-structors.		Number of dif-ferent pupils enrolled.		Average daily attend-ance.		Number of students in—						Number graduated during 1888-89.			Number of volumes in library.	Value of scientific appa-ratus.		
		Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Com m ercial course.	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.					
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
CALIFORNIA—cont'd.																				
Pasadena .....	1	1	2	3	39	50	89	(81)	81	(a)									400	0
Riverside .....																			273	\$1,000
Sacramento .....	1	3	3	6	46	129	175	(111)	111	69	42	8			10	5	23	23	1,613	2,300
San Francisco .....	2	14	15	29	317	706	1,023	251	585	332	631	60			0	43	140	183	560	1,200
San José .....	1	2	2	4	61	100	161	50	81	131	63	85			13	6	11	17	450	400
Santa Cruz .....	1	2	2	4	13	47	60	11	36	47	7	40			8	2	10	12	100	100
Santa Rosa .....	1	2	1	3	32	39	71	(59.5)	59.5	0	71	0			0	5	7	12	100	100
Vallejo .....	1	1	0	1	44	25	69	42	25	67						1	1	2	912	2,726
Woodland .....	0																			
COLORADO.																				
Aspen .....	1	1	1	2	10	20	30	11	17	28	4	26	0		0	1	5	6	150	25
Colorado Springs .....	1	1	3	4	36	30	66	25	23	48	19	38	0		9	3	3	6	919	2,000
Denver (Dist. No. 1) .....	1																			
Leadville .....	1	1	2	3	12	12	24	8	9	17	0	24	0		0				995	500
Pueblo (Dist. No. 1) .....	1	1	2	3	622	630	652												6300	
CONNECTICUT.																				
Bridgeport .....	1	1	7	8	91	183	274	(227)	227	40	30	30								
Bristol .....	1	1	2	3	(100)	100		(92)	92	399	217	0			0	3	10	13	50	150
Hartford .....	1	1	8	10	(684)	684		(108)	108	399	217	0			0	51	38	89	1,850	3,000
Meriden .....	1	2	4	6	(255)	255		(108)	108	75	100	0				1	20	25	6300	6300
Middletown .....	1	1	3	4	640	646	686	638	644	75	100	0					8	9	6300	6200
New Britain .....	1	1	3	6	(175)	175		(6168)	6168	92	411	78				(21)	21	500	300	300
New Haven .....	1	1	8	14	(678)	678		(571)	571	92	411	78				(104)	104	2,417	5,000	5,000
New London .....	1	0	3	3	0	105	105	0	89	89						0	14	14		
Norwich .....	0																			
Rockville .....	1	1	2	3	30	35	65	27	30	67	14	0	51	0	0	7	7	14	500	100

44	South Norwalk .....	1	1	1	4	5	18	38	56	17	35	52	24	32	0	0	0	0	3	13	16	800	355
45	Stanford c.....	1	1	4	5	(171)	171	75	(58.4)	58.4	120	58.4	30	70	0	0	5	3	10	13	200	400	
46	Thompsonville.....	1	1	3	4	47	58	105	45.6	55.4	101												
47	Willmantie .....	1	1	1	1																		
DAKOTA.																							
48	Deadwood.....	1	1	0	1	5	20	25	(24)	24	24	0	25	0	0	0	0	3	3	6	50		
49	Fargo *.....	1	1	0	3	3	21	44	65	(53)	53	53	11	15	11						38	250	
50	Grand Forks .....	1	1	2	3	20	32	52	14	27	41	35	17	13	48			2	2	4	125		
51	Sioux Falls .....	1	1	0	4	4	29	57	86	(67)	67	67	32					0	6	6		500	
52	Yankton .....	1	1	1	2	14	18	32															
DELAWARE.																							
53	New Castle.....	1	0	1	1	23	21	41	17	18	35							2	0	2		500	
54	Wilmington .....	2	1	6	7	91	167	258	(212)	212	212	0	258	0	0	0	0	12	31	43	100		
DISTRICT OF COLUMBIA.																							
55	Washington (white schools).....	1	15	18	33	547	706	1,253	463	597	1,060	508	571	149			25	73	137	210	6,000	2,500	
56	Washington (colored schools) .....	1	5	6	11	81	335	416	66	245	311	391		25				27	40	67	750		
FLORIDA.																							
57	Palatka.....	2	1	1	2				(45)	45													
58	Pensacola.....	1	1	0	1	15	13	28		(22)	22	16	12	0	0	0	0	3	16	19	200		
59	Tampa.....	1	1															1	4	5			
GEORGIA.																							
60	Americus.....	1	1	1	2	18	46	64				(64)		0	0	0	1	1	8	9			
61	Athens.....	1																					
62	Atlanta.....	2	3	8	11	101	278	379	95	254	359	379					23	43	66	1,200	1,500		
63	Augusta.....	2	2	2	4	30	150	180	20	140	160	(180)					10	27	37	500	100		
64	Columbus.....	0																					
65	Griffin.....	1																					
66	Macon.....	2	2	4	6	93	133	226	78	114	192	226	0	0	0	0	8	27	35	200			
67	Rome.....	0																					
68	Savannah.....	1	4	1	5	81	153	234	65	115	180	153	75	0	0		14	20	34	500			
IDAHO.																							
69	Boisé City .....	1																					
ILLINOIS.																							
70	Aurora* .....	1	2	2	4	38	76	114	34.5	68.9	103.4		0	22	0						480	500	
71	Beardstown.....	1	1	2	3	11	27	38	9	26	35						38	4	7	11	150	100	

\* Statistics of 1887-88. a In "college preparatory course," 89. b In 1887-88. c This report covers the five central school districts only. d Included in columns 12 and 13.

\* Statistics of 1887-88. a In "college preparatory course," 89. b In 1887-88. c This report covers the five central school districts only. d Included in columns 12 and 13.



TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.		Number of in-structors.			Number of dif-ferent pupils enrolled.			Average daily attend-ance.			Number of students in—					Number graduated during 1888-89.			Number of volumes in library.	Value of scientific ap-paratus.
	1	2	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Com-mer-cial course.	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.		
ILLINOIS—continued.																					
Belleville.....	0																				
Belvidere.....	2	2	2	2	4	40	70	110												116	\$350
Bloomington.....	1	2	2	4	6	44	116	160			147									300	600
Braidwood.....											(147)										
Cairo.....	1		1	2	3	15	50	65	12.3	40.7	53	18	47	0	0	0	2	6	8		
Canon.....	1	1	1	2	3	33	43	76	9	27	36	0	43	0	0	0	3	7	10	510	1,000
Carlinville.....	1	1	2	0	2	25	40	65	21	36	57	0	65	0	0	0	7	12	19	7	330
Centralia.....	1	1	1	2	3	35	40	75	29	35	64	23	50	0	0	0	7	14	19	750	250
Champaign (west side).	1	1	0	4	4	(110)											17	615	2	50	25
Chicago.....	3	3	24	34	58	599	1,944	2,543	(2,134)	2,134							33	281	314		
Danville*.....	1		(3)			(117)															
Decatur.....	1	1	3	4	7	120	167	287	98.8	130.4	238.2	6	191	0	0	0	13	18	31	1,000	1,600
Effingham*.....	1	1	0	1	2	20	25	45	15	20	35									50	
Elgin*.....	1	1	1	3	4	48	82	130	(110)											531	250
Evanston*.....	1					70	115	185													
Freeport.....	1	1	1	4	5	50	92	142	21	(113)	113	73	69				3	12	15		
Galena.....	1	1	1	3	4	29	63	92			69	30	62	0	0	0	4	15	19	236	300
Galesburg.....	1	1	0	4	4	45	96	141	(121)	121	110	31	0	0	6	0	7	20	27	300	300
Geneseo.....	1	1				26	29	55			43						60	66	66		
Jacksonville.....	1	1	2	3	5	30	99	129	28	(43)	43	60	48				60	64	64	300	450
Joliet.....	1	1	2	2	4	82	98	180	60	82	142	132	0	0	0	0	7	8	15	300	150
Kankakee.....	1	1	1	2	3	22	38	60	16.2	29.1	45.3	28	32	0	0	0	2	6	8	185	250
La Salle.....	1	1	1	2	3	23	43	66	18	32	50	27	66				1	4	5	200	250
Lincoln.....	1	1	1	2	3	25	50	75	20	48	68	45	30	0	0	0	3	8	11	100	300
Litchfield.....	1	1	1	2	3	35	79	114	19	52	71	114	0	0	0	0	5	13	18	50	300
Mendota.....	2	2	2	4	6	48	50	98	33	41	74	13	26	0	4		5	11	16	322	150
Monmouth.....	1	1	1	3	4	27	58	85	(65)	65							4	5	9		
Monmouth.....	1																				
Opey.....	1	3	1		4	23	49	72	17.2	40.4	57.6	72					3	8	11		300
Ottawa*.....	1	1				87	132	219										12	32		



TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of in-structors.			Number of dif-ferent pupils enrolled.			Average daily attend-ance.			Number of students in—						Number graduated during 1888-89.			Number of volumes in library.	Value of scientific ap-paratus.
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Com m er c i a l	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
IOWA.																					
Atlantic.....	1	2	1	3	59	93	152	43	65.9	108.9	47	43	0	0	0	3	7	10	100	\$100	
Boone.....	1	1	3	4	63	62	125	52	54	106	0	0	0	0	0	9	10	19	1,500	400	
Burlington.....	1	1	3	4	7	(206)	266	(178)	178	178	60	69	63	12	0	8	21	24	600	2,500	
Cedar Rapids.....	1	1	7	7	0	0	0	0	0	0	60	69	63	12	0	11	12	23	1,200	700	
Clinton.....	1	1	3	4	25	93	118	19	79	98	53	41	4	0	4	4	12	16	113	1,200	
Council Bluffs.....	1	1	2	3	4	56	100	156	40	80	120	35	120	0	0	0	39	49	0	0	
Greston.....	1	3	5	8	86	184	270	71	147	218	134	111	0	13	12	10	15	29	500	300	
Davenport.....	1	1	6	7	101	149	250	(189)	189	189	60	190	0	0	0	14	15	29	500	300	
Des Moines, East.....	1	3	4	7	57	153	210	(138.4)	138.4	158.4	60	190	0	0	0	0	10	10	450	2,400	
Des Moines, West.....	1	2	4	6	94	131	245	72	113	185	60	190	0	0	0	0	10	10	450	2,400	
Dubuque.....	1	2	0	2	18	24	42	16.2	13.7	34.9	30	12	103	0	16	3	2	5	165	800	
Fort Dodge.....	1	1	1	2	0	0	0	0	0	0	10	70	0	0	0	0	0	0	0	0	
Fort Madison.....	1	1	1	2	113	113	113	0	0	0	40	73	0	0	0	6	10	16	400	600	
Iowa City.....	1	3	2	5	40	113	153	(129)	129	129	40	73	0	0	0	2	27	29	78	250	
Keokuk.....	1	0	2	2	33	30	63	15	40	55	40	23	0	0	0	5	6	11	350	550	
Le Mars.....	1	1	2	3	20	45	65	55	89	144	12	53	0	0	0	4	12	16	100	100	
Lyons.....	1	1	6	7	95	133	228	55	89	144	44	49	17	0	118	8	12	20	500	600	
Marshalltown.....	1	1	2	3	29	64	93	(79.9)	79.9	79.9	0	93	0	0	0	5	22	27	100	600	
Mount Pleasant.....	1	1	3	4	(25)	125	125	55	90	145	99	50	20	11	0	12	20	32	1,214	1,000	
Muscatine.....	1	1	2	3	67	113	180	55	90	145	99	50	20	11	0	0	0	0	0	0	
Oskaloosa.....	1	1	4	5	35	84	119	29	79	108	119	119	0	0	0	(10)	10	10	325	300	
Ottumwa.....	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sioux City.....	1	1	2	3	22	42	64	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waterloo, east side *.....	1	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KANSAS.																					
Atchison.....	1	1	1	2	20	45	65	24	28	52	18	19	0	0	0	1	5	6	200	100	
Clay Centre.....	1	1	1	2	32	38	70	30	55	85	63	7	0	0	0	4	4	6	650	100	
El Dorado.....	1	1	2	3	(105)	105	105	30	55	85	5	100	0	0	0	7	7	14	500	200	



172	Emporia.....	1	2	1	1	3	22	35	57	20	32	52	31	26	66	2	10	12	300	250
173	Fort Scott.....	1	1	1	2	2	23	43	66	18.9	28.6	47.5	32	34	0	0	0	0	100	400
174	Hutchinson.....	1	0	3	3	2	28	31	31	21	33	61	51	33	0	0	3	9	100	500
175	Independence.....	1	2	0	2	3	35	53	88	22	39	61	22	8	0	8	6	15	951	160
176	Kansas City.....	1	3	3	5	6	76	170	246	78	(179)	179	6	101	50	83	2	24	0	390
177	Lawrence.....	1	1	4	5	94	143	237	277	124	202	202	95	135	0	7	31	42	360	390
178	Leavenworth.....	1	3	2	2	92	134	226	201	83	118	201	136	90	0	0	21	28	500	2,500
179	Newton.....	1	1	2	5	30	48	78	23	34	57	79	70	58	0	0	12	32	75	203
180	Ottawa.....	1	1	2	3	36	73	109	73	27	52	73	70	39	0	0	15	16	156	50
181	Parsons.....	1	1	2	3	15	60	75	14	59	73	9	17	48	0	1	12	13	600	1,175
182	Salina.....	1	1	2	3	18	33	53	13	30	43	43	40	13	0	0	5	7	404	675
183	Topeka.....	1	1	2	4	(201)	201	201	201	20	28	48	0	60	0	0	32	48	350	400
184	Wellington.....	1	2	2	4	25	35	60	65	f40	f50	f90	30	35	0	0	6	10	110	50
185	Wichita.....	1	2	2	4	46	79	125	65	f40	f50	f90	30	35	0	0	3	6	350	400
186	Winfield.....	1	0	2	2	(65)	65	65	65	20	28	48	0	60	0	0	3	6	110	50
KENTUCKY.																				
187	Ashland.....	1	2	4	6	171	171	171	171	125	12	15	150	21	0	0	6	14	20	300
188	Bowling Green.....	1	1	1	1	4	4	14	18	3	12	15	0	18	0	0	0	0	2,500	300
189	Covington.....	1	1	0	1	171	171	171	171	125	12	15	150	21	0	0	6	14	20	300
190	Dayton.....	1	1	0	1	171	171	171	171	125	12	15	150	21	0	0	6	14	20	300
191	Hopkinsville.....	0	2	8	10	209	270	479	479	125	12	15	150	21	0	0	6	14	20	300
192	Lexington.....	2	13	12	25	311	560	871	871	125	12	15	150	21	0	0	6	14	20	300
193	Louisville.....	3	13	12	25	311	560	871	871	125	12	15	150	21	0	0	6	14	20	300
194	Newport.....	1	1	3	4	104	93	197	68	273	471	744	38	159	0	0	7	21	28	1,000
195	Owensboro.....	1	1	1	2	23	48	71	17	39	39	56	71	0	0	0	3	15	18	500
196	Paducah.....	1	1	1	2	28	80	108	108	5	5	5	5	5	0	0	4	10	14	250
197	Paris.....	1	1	0	1	17	17	12	29	8	7	15	5	29	0	0	0	1	1	0
LOUISIANA.																				
198	New Orleans*.....	2	5	8	13	103	270	373	373	100	253	353	150	150	0	0	0	0	450	575
MAINE.																				
199	Auburn*.....	1	2	3	5	70	93	163	163	69	92	161	79	46	19	3	3	6	950	2,000
200	Augusta.....	1	1	2	4	(129)	129	129	129	78	78	78	79	46	19	3	3	6	200	700
201	Bangor.....	1	1	2	5	(285)	285	285	285	(27.2)	125	272	79	46	19	10	26	36	1,000	500
202	Bath*.....	1	3	2	5	91	133	227	227	87	125	212	79	46	19	3	3	6	1,000	500
203	Belfast*.....	1	1	1	1	(60)	60	60	60	(54)	125	54	79	46	19	3	3	6	1,000	500
204	Biddeford.....	1	1	1	1	(155)	155	155	155	(134)	40	134	87	66	0	0	9	10	1,560	1,000
205	Calais.....	1	1	2	3	35	55	90	90	30	40	70	60	15	0	2	8	10	100	300
206	Ellsworth.....	1	1	2	3	80	74	154	154	25	44	69	61	15	0	0	2	8	10	50
207	Lewiston.....	1	1	2	3	80	74	154	154	25	44	69	61	15	0	0	2	8	10	50
208	Portland.....	1	4	9	13	176	242	418	418	(139)	366	366	51	367	0	0	21	30	51	2,000

\* Statistics of 1887-88.  
 a The teachers' training class is not connected with the high school.  
 b In Latin scientific course.  
 c "No strictly normal course.  
 school seem to be studying with a view to teaching; 69 of the 74 female teachers in schools of the city are graduates of the high school."

d Included in columns 12 and 13.  
 e In 1887-88.







TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.		Number of in-structors.			Number of dif-ferent pupils enrolled.			Average daily attend-ance.			Number of students in—						Number graduated during 1888-89.			Number of volumes in library.	Value of scientific ap-paratus.		
	2	3	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Commerci-al course.	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.						
MICHIGAN—continued.																								
277 Ionia.....	1	3	5	8	(a176	79	122	(a122)	11							5	14	19						
278 Ishpeming.....	1	1	1	2	(44)	44																		
279 Jackson.....	1	1	1	2	80	162	242	(192)	192	137	44	152	0	0	46	5	22	27	450	\$50				
280 Kalamazoo.....	1	1	6	7	86	149	235	72	137		119	0	8			8	24	32	560	1,200				
281 Lansing.....	1	1	2	3	(165)	165		(125)	125															
282 Ludington.....	1	1	5	7	(104)	104																		
283 Manistee.....	1	0	3	3	31	53	84	(79)	79		20	64	0	0	0	1	4	5	2,500	300				
284 Marquette.....	1	1	2	3	42	65	107	28.7	44.3		30	77	0	0	0	2	6	8						
285 Marshall.....	1	1	2	3	31	49	80	25	43		30	30	10	0	10	2	6	9	15	1,084				
286 Menominee.....	1	1	2	3	36	43	79	(59)	59		0	79	0	0	0	2	4	6	500					
287 Monroe.....	1	1	2	3	34	46	80	(a78)	67.8															
288 Mount Clemens.....	1	2	4	6	76	135	211	68	117		50	141	20			14	9	23	9,516	200				
289 Muskegon.....	1	1	1	2	22	29	51	18	24		35	0	0											
290 Negaunee.....	1	1	2	3	23	51	80	(61.3)	61.3		20	31	0	0	29	2	2	4	1,327	10				
291 Niles.....	1	1	1	2																				
292 Owasco.....	1	1	3	4	51	77	128	42	61		58	70	0	0	0	10	9	19	1,400	300				
293 Pontiac.....	1	1	2	3	19	69	88	(65)	65		67	87				0	12	12	1,700					
294 Port Huron.....	1	1	4	5	3	19	66	(151)	151		6	6	18	6	6	12	19	31	6,000	1,000				
295 Saginaw.....	1	1	1	2	27	72	99	19	55		15	66	0	0	0	0	3	3	250					
296 West Bay City.....	1	1	1	2	2	2	4	(44)	44		0	58	0	0	0	4	5	9	1,534	200				
297 Wyandotte.....	1	1	2	3	58	58	116	(77)	77															
298 Ypsilanti.....	1	3	1	4	42	51	93																	
MINNESOTA.																								
299 Anoka.....	1	2	1	3	(65)	65		(49.7)	49.7				0	0	0	3	3	6	500	150				
300 Brainerd.....	1	1	1	2	(32)	32			32			40	10	0	0	0	2	2	300	400				
301 Crookston.....	1	1	2	3	24	46	70	(35)	35		19	17	0	0	44	0	0	0	275	140				
302 Duluth.....	1	2	0	2	50	77	127	41	57		35	17	0	0		0	0	0	1,900	600				
303 Fairbault.....	1	2	4	6	31	36	67	(48.6)	48.6		34	33				3	6	9	1,900	600				

304	Mankato.....	1	1	1	2	3	(81)	81	(60)	60	52	29	0	0	0	0	1	3	4	780	250
305	Minneapolis.....	1	11	41	55	23	(1,166)	1,166	243	338	581	.....	33	.....	.....	.....	25	56	81	.....	
306	Red Wing *.....	1	1	0	2	2	51	74	19.2	42.7	61.9	.....	0	0	.....	.....	0	6	6	300	
307	Rochester *.....	1	1	0	3	3	(64)	64	.....	.....	.....	23	0	0	.....	.....	3	3	6	.....	
308	St. Cloud.....	1	1	0	2	2	8	9	6.1	5.7	11.8	0	0	0	5	.....	2	0	2	163	
309	St. Paul.....	1	12	16	28	255	433	688	208	285	493	.....	0	0	.....	.....	29	36	65	2,000	
310	Stillwater.....	1	2	3	5	5	42	76	118	(93)	93	20	7	0	11	.....	1	5	6	500	
311	Winona.....	1	4	1	5	47	45	92	(88.8)	88.8	88.8	20	12	0	0	.....	6	5	11	1,000	
MISSISSIPPI.																					
312	Columbus.....	1	1	0	1	1	2	18	2	16	18	(20)	.....	.....	.....	.....	0	0	0	500	
313	Jackson c.....	1	1	0	1	1	12	26	38	11	23	5	33	0	0	.....	0	4	4	5,000	
314	Meridian.....	1	1	1	2	2	4	26	30	2.5	23.5	0	0	0	0	.....	1	6	7	.....	
315	Natchez.....	2	1	1	2	2	4	26	30	2.5	23.5	0	30	0	0	.....	1	10	11	100	
316	Vicksburg.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.....	1	1	1	.....	
MISSOURI.																					
317	Boonville.....	1	1	0	1	1	16	19	35	14	12	26	0	0	0	.....	0	2	2	100	
318	Brookfield.....	1	1	0	1	1	14	20	34	(29)	29	0	34	0	0	.....	1	8	9	50	
319	Bulter.....	1	1	0	1	1	69	80	149	53	54	107	5	136	18	.....	7	8	15	400	
320	Cape Girardeau.....	3	2	1	3	2	36	47	83	32	42	74	.....	.....	.....	.....	.....	.....	.....	0	
321	Carrollton.....	2	1	1	2	2	(93)	93	(50.7)	59.7	59.7	.....	.....	.....	.....	.....	.....	.....	.....	2,000	
322	Cardigan *.....	1	1	(2)	1	1	36	47	83	32	42	74	.....	.....	.....	.....	.....	.....	.....	100	
323	Chillicothe *.....	1	1	1	2	2	36	47	83	32	42	74	.....	.....	.....	.....	.....	.....	.....	100	
324	Clinton *.....	1	1	1	2	2	36	47	83	32	42	74	.....	.....	.....	.....	.....	.....	.....	100	
325	Columbia.....	1	1	2	3	3	36	47	83	32	42	74	.....	.....	.....	.....	.....	.....	.....	100	
326	De Soto.....	2	2	2	4	4	38	125	163	27	90	117	.....	.....	.....	.....	1	9	10	250	
327	Hannibal.....	1	1	0	1	1	26	28	54	12.8	16	23.8	0	0	0	.....	(7)	7	7	700	
328	Independence.....	1	1	0	2	2	26	28	54	12.8	16	23.8	0	0	0	.....	.....	.....	.....	125	
329	Jefferson City *.....	1	1	0	2	2	26	28	54	12.8	16	23.8	0	0	0	.....	.....	.....	.....	125	
330	Joplin.....	1	1	0	2	2	(65)	65	.....	.....	.....	65	.....	.....	.....	.....	.....	.....	.....	.....	
331	Kansas City.....	1	2	7	14	14	260	509	769	186	374	560	489	0	0	.....	1	13	14	16,000	
332	Lexington.....	1	2	7	14	14	56	53	109	49	46	95	5	0	0	.....	20	54	74	75	
333	Louisiana.....	1	1	0	2	2	216	449	655	(450.2)	450.2	450.2	104	0	0	.....	6	7	13	75	
334	Marshall.....	1	1	0	2	2	33	59	92	(71)	71	71	.....	0	0	.....	4	10	14	1,500	
335	Maryville.....	1	2	1	3	3	49	79	128	32	68	100	60	0	0	.....	1	3	4	200	
336	Mexico *.....	1	3	0	3	3	38	49	67	116	33	46	79	0	0	.....	.....	.....	.....	500	
337	Moberly.....	1	2	1	3	3	38	73	111	(101)	101	101	25	66	66	.....	3	18	21	1,200	
338	Nebraska.....	1	1	0	2	2	34	51	85	27	45	72	60	0	0	.....	6	11	17	300	
339	Rich Hill.....	1	1	0	2	2	20	46	66	10	45	45	0	0	0	.....	4	7	11	1,100	
340	St. Charles.....	1	1	0	1	1	12	24	36	10	20	30	0	2	14	.....	4	7	11	150	
341	St. Joseph.....	1	1	3	3	3	76	133	209	60	108	168	0	0	0	.....	6	16	22	50	
342	St. Louis.....	1	20	27	47	336	1,097	1,433	259	771	1,080	263	0	0	0	.....	15	116	131	1,000	
343	Sedalia *.....	1	1	2	3	3	41	93	134	85	116	116	0	0	0	.....	6	12	18	500	
344	Springfield.....	1	1	2	4	4	154	235	389	91	163	251	0	0	0	.....	6	12	18	500	
345	Trenton.....	1	3	0	3	3	30	80	110	.....	.....	.....	30	0	0	.....	.....	.....	.....	75	
346	Warrensburg.....	1	1	0	0	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	625	
347	Washington *.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	

c Statistics of white schools only.

b In general course, 20.

a In 1887-88.

\* Statistics of 1887-88.

TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of instructors.			Number of different pupils enrolled.			Average daily attendance.			Number of students in—					Number graduated during 1888-89.			Number of volumes in library.	Value of scientific apparatus.
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scientific course.	Commercial course.	Teachers' training course.	Other courses and unclassified.	Male.	Female.	Total.		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
<b>MONTANA.</b>																				
Butte City .....	1	1	2	3	(70)	70	52.7	(52.7)								3	4	7		\$500
<b>NEBRASKA.</b>																				
Beatrice .....	1	0	3	3	13	39	52	9	28	37	20	32	0	0	0	2	5	7	400	200
Frederick .....	1	2	0	2	4	26	61	22	41	63	25	62	0	0	0	7	9	16	100	700
Grand Island .....	1	3	0	3	33	57	90	20	30	52	10	63	0	0	0	4	15	19	138	450
Hastings .....	1	1	2	3	32	53	85	19	35	54	16	69	0	0	0	5	10	15	100	275
Kearney .....	1	4	3	7	83	107	192	67.5	85.9	153.4	35	97	0	0	0	2	9	11	300	30
Lincoln .....	1	2	1	3	20	38	78	19	56	75	28	91	45	0	0	2	8	17	1,500	1,200
Nebraska City .....	1	8	10	18	177	309	486	143	225	368	24	24	0	0	322	15	33	50	400	200
Omaha .....	1	2	2	4	26	37	63								15				625	6,000
Plattsburgh .....	1																			
<b>NEVADA.</b>																				
Carson City .....	1	1	1	2	34	71	105	26	52	78	0	105	650	220	0	0	8	8	300	272
Eureka .....	1	1	1	2	25	35	60							2						
Gold Hill .....	1	1	1	2	27	38	65	18	29	47		58				4	6	10	200	150
Virginia City .....	1	1	1	2	25	44	69	(63)		63		69	0	0	0	6	10	16	300	200
<b>NEW HAMPSHIRE.</b>																				
Concord .....	1	1	4	5	99	129	228	69	91	160	25	178	25	0	0	19	23	42		
Dover .....	1	1	4	5	47	84	131	(117)		117		23	0	0		5	15	20	500	395
Keene .....	1	2	2	4	(108)	108	257	(80)		80			0	0		3	4	7		
Manchester .....	1	2	4	6	(257)	257	508	(176)		176						15	30	45		
Nashua .....	1	1	4	5	(139)	139	289	(129)		129						6	13	19		
Portsmouth .....	1	1	3	4	56	65	121	(107)		107	80	41	0	60	0	10	5	15	687	500
Rochester .....	1	3	2	5	50	79	129	(98)		98						9	11	20		



## NEW JERSEY.

NEW JERSEY.																				
369	Atlantic City.....	1	0	2	2	22	30	52	19	27	46	52	.....	.....	.....	1	4	5	1,001	300
370	Bayonne.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
371	Bordentown.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
372	Bridgeton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
373	Burlington.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
374	Camden.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
375	Elizabeth.....	1	0	5	5	(104)	104	104	(93)	93	.....	101	611	.....	.....	8	10	18	196	.....
376	Gloucester City.....	1	(4)	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
377	Hackensack.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
378	Harrison.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
379	Hoboken.....	1	1	3	4	(154)	154	154	(135)	135	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
380	Jersey City.....	1	5	7	12	(664)	664	664	(435)	435	92	432	90	636	.....	24	54	78	6,000	5,000
381	Lambertville.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
382	Long Branch.....	1	2	6	8	36	40	76	.....	.....	.....	1	75	0	0	4	6	10	.....	550
383	Millville.....	1	1	2	3	52	32	84	45	28	73	84	14	.....	.....	.....	.....	.....	.....	.....
384	Montclair.....	1	2	2	4	55	70	125	40	50.8	90.8	25	70	15	0	15	5	9	300	700
385	Morristown.....	1	1	2	3	21	39	60	20	38	58	41	.....	.....	.....	4	5	9	556	400
386	Mount Holly.....	1	1	1	2	17	28	45	12	21	33	45	.....	.....	.....	.....	.....	.....	.....	.....
387	New Brunswick.....	1	1	4	5	90	117	207	(167)	167	167	8	199	0	0	1	2	3	13	40
388	Newark.....	1	8	14	22	333	507	840	(644)	644	644	73	627	140	40	37	61	98	2,857	150
389	Orange.....	1	2	1	3	25	42	67	(57.3)	57.3	57.3	52	15	0	0	4	9	13	1,664	.....
390	Parsippany.....	1	1	2	3	20	50	80	26	70	70	1	79	0	0	3	9	12	389	300
391	Patterson.....	1	1	8	9	200	293	493	125	162	287	0	493	.....	667	12	50	62	2,000	350
392	Perth Amboy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
393	Phillipsburgh.....	1	2	1	3	27	54	81	23	52	75	0	81	.....	.....	6	8	14	350	137
394	Pittsfield.....	1	1	3	4	43	55	98	(84.7)	84.7	84.7	55	43	.....	.....	2	11	13	1,050	500
395	Rahway.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
396	Salem.....	1	1	1	2	15	36	51	(45.7)	45.7	45.7	10	.....	.....	.....	3	4	7	20	75
397	Trenton.....	1	1	9	10	108	216	324	95	189	284	182	124	16	2	3	16	19	1,065	380
398	Woodbury.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## NEW YORK.

399	Albany.....	1	10	12	22	263	383	646	(552)	552	552	346	300	.....	.....	18	52	70	6,252	3,345
400	Albion.....	1	1	4	5	51	68	119	33.2	43.9	82.1	.....	.....	.....	.....	7	15	22	1,819	964
401	Amsterdam.....	1	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	8	10	500	500
402	Auburn.....	1	4	7	11	152	221	373	130	181	311	133	240	0	0	0	7	25	32	700
403	Batavia.....	1	0	4	4	67	87	154	44	56	100	45	55	0	8	36	4	11	15	10,000
404	Binghamton.....	1	3	6	9	132	180	312	93	131	224	10	302	0	0	0	10	31	41	985
405	Brookport.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
406	Brooklyn.....	2	38	15	53	555	1,413	1,968	313	887	1,200	198	200	207	.....	44	147	191	.....	.....
407	Buffalo.....	1	6	15	21	309	379	688	288	301	589	198	200	163	.....	25	62	87	1,335	3,070
408	Canandaigua.....	1	2	5	7	36	55	91	.....	.....	.....	30	61	.....	.....	1	0	1	1,701	900
409	Catskill.....	1	2	1	3	34	34	68	22	21	43	28	24	6	0	2	.....	.....	.....	500
410	Cones.....	1	1	2	3	(101)	.....	101	(78)	78	78	.....	.....	.....	.....	3	5	7	2,102	630

\* Statistics of 1887-88.

a Included also in column 13.

b The teachers' training school is not a part of the high school.

c A post-graduate course; not included in column 8.

d The normal and training school is separate from the high school. Number of pupils, fs.

e Not included in column 13.

f Post-graduates.

g Included in columns 12 and 13.



	1	1	1	2	14	26	40	12.8	23.5	36.3						3	11	14	
441 New Brighton <i>d</i>	1	0																	1,200
442 New Rochelle.....	0																		
443 New York.....	2	4	3	7	82	98	180	81	96	177						13	21	31	16,679
444 Newburgh.....	1	0	4	4	45	80	125	(110)	110							1	2	3	1,500
445 Norwalk.....	1																		
446 Ogdensburg.....	1	1	4	5	(225)		225	(209)		209						7	14	21	2,160
447 Olean.....	1	1	5	6	96	107	203	(142)		142						7	16	23	227
448 Oswego.....	1	2	6	8	131	125	253	100	100	200						7	16	23	1,033
449 Oswego *.....	0																		4,805
450 Peekskill.....	1	0																	1,941
451 Penn Yan.....	1	2	2	4	68	75	143	60	71	131						2	5	7	1,600
452 Plattsburgh.....	1	1	0	4	4	73	67	54	50	104						2	3	3	2,267
453 Port Chester.....	1	1	1	2	18	28	46	(31.4)		31.4						0	0	0	2,520
454 Port Jervis.....	1	2	3	5	69	112	211	48	92							0	0	0	3,559
455 Poughkeepsie.....	1	1	7	8	65	119	184	(158)		158						5	12	23	1,862
456 Rochester.....	1	5	13	18	209	401	610	169	350	519						39	133	172	15,629
457 Rome.....	1	5	6	(160)			160	(117)		117						8	6	14	1,563
458 Saratoga Springs.....	1	2	3	5	61	91	152	(122)		122						8	16	24	309
459 Schenectady.....	1																		1,200
460 Seneca Falls*.....	1	1	4	5	57	88	143	(95)		95									1,350
461 Sing Sing.....	1	0	2	(35)	33		33	(31)	326	556						9	20	29	1,052
462 Syracuse.....	1	6	10	16	308	433	741	230								27	55	82	41,046
463 Tarrytown.....	1																		13,000
464 Tonawanda*.....	1	2	0	2	30	39	69	(43.7)		43.7									1,300
465 Troy*.....	1	4	3	7	206	206	206	66	112	178									783
466 Utica*.....	1	4	4	8	79	122	201	76	95	171									1,636
467 Waterloo.....	1	2	1	3	43	66	109									6	8	14	1,410
468 Watertown.....	1	3	7	10	103	130	233	(187.9)		187.9						4	20	24	4,000
469 West Troy.....	1																		1,000
470 Whitehall.....	1	0	2	2	20	37	57	(50)		50						6	5	11	1,224
471 Yonkers.....	1	3	2	5	63	82	145	52	61	113						12	16	28	8,335
NORTH CAROLINA.																			
472 Asheville.....	0																		
473 Durham.....	1																		
474 Fayetteville.....	1	1	2	4	56	70	126	46	62	108						3	13	16	250
475 Goldsborough.....	1	1														0	7	8	1,100
476 Greensborough.....	1	1	2	0	15	25	40	10	20	30						1			
477 New Bern.....	0																		
478 Raleigh.....	0																		
479 Reidsville*.....	1	1	0	1	12	13	25	10	11	21									
480 Winston.....	1	3	2	5															2,500

\* Statistics of 1887-88.

*a* Destroyed by fire February 1, 1889.

*b* These figures refer to the Kingston school district, which embraces only about one-half of the entire city.

*c* Included also in columns 12 and 13.

*d* These figures refer to the high school in West New Brighton.

*e* The public-school system of New York City really includes the College of the City of New York, for boys, and the Normal College for girls, but they are not under the control of the board of education as such. Each of these institutions is under the jurisdiction of a board of trustees, consisting of the board of education and the president of the college. The number of academic students enrolled in both institutions was 2,531 in 1888-89. Full statistics relating to them may be found in chapter XXXVIII, table 7, and chapter XXXVI, table 5, respectively.

*f* The 19 students in the teachers' training course are also included in column 13.

*g* Some pupils take both courses.

*h* Members of the teachers' training class are not students of the high school.

*i* In addition to 365 pamphlets.



TABLE 16. — *Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.*

City.	Number of such schools.			Number of in-structors.			Number of dif-ferent pupils enrolled.			Average daily attend-ance.			Number of students in—						Number graduated during 1888-89.			Number of volumes in library.	Value of scientific ap-paratus.
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Commer-cial course.	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
OHIO.																							
481 Akron .....	1	8	9	17	142	215	357	108	164	272	98	152			0	12	37	49	180	\$1,550			
482 Alliance .....	1	1	1	2	30	58	88	28	54	82						4	11	15	1,200	200			
483 Ashabula .....	1	2	2	4	43	71	114	32	55	87	28	86				2	4	6	150	600			
484 Bellaire *	1	2	2	4	50	103	155	40	91	131	137	0	0	0		3	10	13	626	75			
485 Bellefontaine .....	1	1	1	2	18	43	61	13	36	49						1	6	7	130	150			
486 Bucyrus .....	1	2	0	2	20	35	55	17	27	44	23	32	0	0	0	7	11	18	700	300			
487 Canton *	1					103	138	(115)		115								19	11,000	2,500			
488 Chillicothe .....	1	3	59	59	118	55	49	53	672	1,215						51	58	109	400	300			
489 Cincinnati .....	2	18	20	38	645	825	1,470	17.9	41.6	62.5	32	49	0	0	0	2	2	4					
490 Circleville .....	2	0	3	3	23	58	81	416	890	1,306	135	881	6100	129		30	99	129	5,000	2,500			
491 Cleveland .....	2	19	23	42	236	416	652	197	367	564	497	1	155	129		16	43	59					
492 Columbus .....	1	6	5	11	156	273	429	129.1	239.4	378.5						8	19	27					
493 Dayton .....	1	1	1	2	30	51	81	22	39	61	12	69	c35			1	14	15	1,500	300			
494 Defiance .....	1	1	1	3	30	51	81	(145)		145						17	22	39					
495 Delaware *	1					36	62	21	30	51									556	300			
496 Delphos *	1	1	1	2	8	32	40	5	30	35	0	40	0	0	0	0	11	11	0	150			
497 East Liverpool .....	1	0	1	1	58	105	163	49	95	144	67	96	0	0	0	10	19	29	250	500			
498 Elyria .....	1	1	3	4	13	65	83	12	40	61						3	5	8	120	300			
499 Findlay *	1	2	1	3	15	30	45	12	22	35	0	45	0	0	0	1	3	4	253				
500 Fostoria .....	1	1	2	3	36	60	96	25	55	80	30	66	0	0	0	3	8	11		500			
501 Fremont .....	1	1	1	2	12	31	43	11.7	30.2	41.9						3	8	11	1,100	400			
502 Galion .....	2	2	1	3	82	47	79	19	39	58	11	58				2	5	7	500				
503 Gallipolis .....	1					72	154	(109)		109													
504 Greenville *	1					54	105	159	46	97	143	159	0	0	0	5	10	15	450	750			
505 Hamilton .....	1	2	3	5	51	105	156	21	59	80	91	0	0	0	0	5	17	22	130	1,000			
506 Ironton .....	1	1	2	3	15	19	30	23.7	48.5	72.2	25	59	0	0	0	4	11	15	100	1,000			
507 Kenton *	1	1	1	2	26	58	84	27.9	54.5	82.4	95	10				3	8	11	200	300			
508 Lancaster .....	1	1	1	3	37	68	105	27.9	54.5	82.4	95	10				3	8	11	100	1,000			
509 Lima .....	1	1	1	3	4	37	68	(123)		123						3	15	22	200	300			
510 Mansfield *	1	1	1	3	40	70	110	4	88	92						0	19	22	500	400			
511 Marietta *	1					110	115																

	1	2	3	40	60	(52)	52	15	33					3	4	7	
512 Marion *	1			20	40	13	44							1	16	2	250
513 Martin's Ferry	1	1	3	15	33	81	31		33					6	22	3	200
514 Massillon *	1	1		36	55	19	81	0						2	22	8	600
515 Middletown	1	0	2	25	35	31	50	0	60	0	0			7	10	5	546
516 Mount Vernon *	1	2	2	42	78	36	102		60					2	13	15	
517 Nelsonville *	1	1	1	4	12	10	35		24					3	3	6	250
518 Newark	1	2	4	47	84	25	71.5		80					4	8	12	550
519 Norwalk	1	0	6	62	120	36.8	108.3		151					4	8	12	450
520 Painesville	1	0	5	63	103	51	96	0	90	0	0			7	23	30	300
521 Piquette	1	0	2	38	52	37	91	82	11					5	7	12	100
522 Pomeroy	1	0	2	38	52	37	76	35	55	0	0			4	10	14	500
523 Portsmouth	1	1	1	38	76	34	105	0	76	0	0			7	3	10	200
524 Salem *	1	2	3	41	81	32	73							6	11	17	
525 Sandusky *	1	0	4	27	23	50	44							0	4	4	500
526 Sidney	1	4	4	55	97	37	137	50	102		615			10	21	31	
527 Springfield *	1	6	4	47	69	50.3	96.3	36	80	0	0			4	11	15	250
528 Steubenville	1	2	3	42	99	34.5	118.7							6	27	36	425
529 Tiffin	1	3	5	56	93	48	73	36	97	0	16			9	37	50	2,312
530 Toledo	1	3	4	92	93	43	126	50	95	0	0			4	14	18	800
531 Troy	1	5	6	113	262	120	347							13	64	82	2,500
532 Urbana *	1	2	1	31	51	42	71	64	21	0	0			4	5	9	2,000
533 Van Wert	1	2	1	35	74	29	107	92	0	0	0			6	10	16	1,425
534 Warren *	1	0	2	e19	e48	44	63							4	4	8	
535 Washington C.H.	1	1		44	74	118	102							2	11	13	
536 Wooster *	1	1	3	44	69	34	88	35	54	18				9	14	23	50
537 Xenia *	2	3	2	51	106	37	139							11	22	33	
538 Youngstown	1	2	5	43	80	52	108							6	14	20	400
539 Zanesville *	1	2	4	60	89	52	129							e9	e15	e24	
				74	116	(171)	171							(10)	10		
OREGON.																	
540 Astoria	1			70	192	(209, 9)	209.9	72	f103	0	0	57		2	25	22	580
541 Portland	1	2	5														200
542 Salem	1		7														
PENNSYLVANIA.																	
543 Allegheny	1	4	5	101	104	97	199	159		40	0	0		4	29	33	0
544 Allentown	1	1	3	62	89	54	132	151	0	0	0	0		10	25	35	511
545 Altoona	1	2	3	54	95	40	72	112	0	0	0	0		6	13	19	500
546 Ashland	1	2	1	24	38	21	36	56						6	12	18	1,018
547 Beaver Falls	1	0	1	3	20	3	18	51		17	6			0	5	5	500
548 Bellefonte	1	2	0	34	39	26	31	57						5	8	130	200
549 Bethlehem *	1	2	0	25	30	22	26	48	14								125
550 Bloomsburg																	
551 Braddock	1	0	2	28	56	20	62	80						1	15	22	1,645
552 Bradford	1	0	3	27	39	15	32	0	0	0	0	0		2	4	6	100
553 Bristol	1	0	1	9	16	12	19	0	0	0	0	0		0	0	0	350
554 Butler	1	1	2			7											

\* Statistics of 1887-88.

a 107 pupils are in the "German" course.

b In the normal school, which is not connected with the high school.

c Included also in columns 13 and 14.

d One year added to course of study.

e In 1887-88.

f In "English and German" course, 30.

TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of instructors.			Number of different pupils enrolled.			Average daily attendance.			Number of students in—					Number graduated during 1888-89.			Number of volumes in library.	Value of scientific apparatus.
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scientific course.	Commercial course.	Teachers' training course.	Other courses and unclassified.	Male.	Female.	Total.		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
PENNSYLVANIA—cont'd.																				
555 Carbondale*	1	(3)	1	3	(150)	75	150	29	68	97	0	103	0	0	0	5	12	17	.....	.....
556 Carlisle	2	2	2	4	33	75	108	18	59	77	25	69	0	8	0	8	7	15	.....	.....
557 Chambersburg	1	1	1	2	22	72	94	18	59	77	0	69	0	0	0	3	13	16	.....	.....
558 Chester	1	1	1	2	2	2	4	6	7	13	0	15	0	0	0	3	0	3	.....	.....
559 Columbia	1	1	1	2	0	2	2	6	18	24	(a)	28	3	0	0	3	5	8	.....	.....
560 Connellysburg	1	1	1	2	11	33	44	6	18	24	24	24	0	0	0	1	5	6	.....	.....
561 Conshohocken	1	1	1	2	3	19	32	51	(49)	49	28	20	3	0	0	7	17	24	.....	.....
562 Cory	1	1	1	2	3	75	70	145	620	639	625	625	0	0	0	1	14	15	.....	.....
563 Danville	1	1	1	2	23	26	49	619	620	639	0	0	0	0	0	5	18	23	.....	.....
564 Du Bois	1	1	1	2	12	30	42	9	23	37	10	233	18	23	19	5	18	23	.....	.....
565 Dunmore	1	1	1	2	105	198	303	71.1	151.1	222.2	222.2	222.2	0	0	0	3	8	11	.....	.....
566 Easton*	1	5	4	9	21	38	59	15	33	48	0	0	0	0	0	12	25	37	.....	.....
567 Erie	1	1	1	2	140	240	380	113	167	280	175	205	0	0	0	1	8	9	.....	.....
568 Franklin*	1	1	1	2	3	29	37	66	(56)	56	0	0	0	0	0	8	1	9	.....	.....
569 Greenville	1	1	1	2	4	50	80	45	72	117	13	65	0	0	0	7	2	9	.....	.....
570 Harrisburg	2	1	2	3	40	80	120	30	70	100	120	120	0	0	0	8	1	9	.....	.....
571 Hazleton	1	1	1	2	40	80	120	30	70	100	120	120	0	0	0	7	2	9	.....	.....
572 Honesdale	1	1	1	2	40	80	120	30	70	100	120	120	0	0	0	8	1	9	.....	.....
573 Huntington	1	1	1	2	40	80	120	30	70	100	120	120	0	0	0	7	2	9	.....	.....
574 Johnstown*	1	1	1	2	120	183	303	98	153	251	102	201	0	0	0	16	27	43	.....	.....
575 Lancaster	2	2	2	4	45	55	100	40	48	88	55	34	0	0	0	5	18	23	.....	.....
576 Lebanon	1	1	1	2	45	44	89	40	40	80	55	34	0	0	0	29	13	42	.....	.....
577 Lock Haven	1	1	1	2	45	44	89	40	40	80	55	34	0	0	0	3	6	9	.....	.....
578 McKeesport	1	1	1	2	25	34	59	23	30	53	0	53	0	0	0	3	6	9	.....	.....
579 Mahanoy	1	1	1	2	25	34	59	23	30	53	0	53	0	0	0	3	6	9	.....	.....
580 Mauch Chunk	1	1	1	2	50	101	151	39	86	125	116	10	25	0	0	8	22	30	.....	.....
581 Meadville	1	1	1	2	15	31	46	13	23	41	116	10	25	0	0	1	6	7	.....	.....
582 Mechanicsburg	1	1	1	2	15	31	46	13	23	41	116	10	25	0	0	1	6	7	.....	.....
583 Middletown	1	1	1	2	15	31	46	13	23	41	116	10	25	0	0	1	6	7	.....	.....
584 Monongahela	1	1	1	2	15	31	46	13	23	41	116	10	25	0	0	1	6	7	.....	.....
585 Nanticoke	1	1	1	2	20	35	55	17	32	49	0	29	16	10	0	1	6	7	.....	.....



586	New Brighton*	1	1	1	2	18	24	42	15	22	37	40	50	0	0	4	5	9	500	800
587	New Castle	1	1	2	3	55	50	28	28	47	75	4	10	10	10	19	34	53	350	300
588	Norristown	1	2	3	5	56	74	130	46	68	114	114	46	10	10	19	34	53	3,000	300
589	Oil City*	1	(3)			180	130													
590	Philadelphia	3	31	35	67	853	1,503	3,145	(2,077)	2,077						55	260	355	63,725	54,500
591	Phoenixville	1	1	2	3	36	29	65	34	26	60	0	0	0	0	7	11	18	700	400
592	Pittsburgh*	1	12	24	24	294	367	661	279	350	47	526	212	190	4	4	1	5	2,000	5,000
593	Pittston	1	1	1	2	17	43	60	14	33	47	9	38	4	4	3	5	8	50	0
594	Plymouth	1	1	0	1	15	32	47	8	24	32	0	0	0	0	3	4	7	2,000	475
595	Pottstown	1	1	1	2	43	53	96	38	40	78	0	0	0	0	17	18	35	2,500	2,500
596	Pottsville	1	2	6	1	65	130		168	185	353	147	112	106	332	1	4	5	5,000	10,000
597	Reading	2	2	6	12	170	195	365	49											
598	Renovo	1	2	0	2	(49)														
599	St. Clair	1	4	7	11	86	250	336	75	106	241					(19)				
600	Scranton	1																		
601	Shanokin	1																		
602	Sharon*	1	1	2	3	31	47	78	28	41	69					4	9	13	1,710	240
603	Shenandoah	1	1	2	0	32	28	60	28	24	32	1	12	3	78	7	13	12	50	400
604	South Bethlehem*	1	3	0	2	36	50	86	28	43	71	50	36	0	0	8	13	20	223	250
605	South Easton	1	2	0	2	36	35	71	28	30	58	60	60	0	0	7	8	16	1,500	1,500
606	Steilton	1																		
607	Sumbury	1	1	0	1	25	35	60	20	30	50	25	35							100
608	Susquehanna*	1	2	1	3	45	55	100	38	43	81	0	100	0	0	6	11	17	25	25
609	Tamaqua	1	1	7	8	55	104	159	40	87	127	28	110	0	0	8	14	22	60	6,500
610	Titusville	1																		
611	Towanda	1																		
612	Uniontown	1	1	3	4	33	44	77	23	41	64	32	45			6	9	15	30	250
613	Warren	1	1	2	3	33	50	83	19	34	53	83				5	4	9	443	
614	Washington	1	1	2	3	20	51	74	13	33	51	63	11	0	0	0	9	9	800	150
615	West Chester	2	3	2	5	(100)	160												300	500
616	Wilkes Barre	1	1	4	5	61	122	186	59	106	165	68	8	30	0	2	19	21	3,000	750
617	Williamsport	1	1	1	4	39	59	98	(78)	106	78	65	32	0	5	4	11	15	327	200
618	York	1	2	1	3	39	59	98												
RHODE ISLAND.																				
619	Bristol	1	1	1	2	24	28	52	(47.2)	47.2						0	0	0	300	400
620	Central Falls	1	1	1	2	7	13	20								0	0	0		
621	Newport	1	3	2	5	57	71	128	47	53	100					5	12	17	481	760
622	Pawtucket	1	3	4	7	53	92	145	(128)	128	128					35	51	86	1,500	1,500
623	Providence	1	11	14	25	293	484	777	245.11	386.8	158	173				3	9	12		
624	Woonsocket	1	2	2	4	40	55	95	(85)	85	75	20				0				
SOUTH CAROLINA.																				
625	Charleston	1	0	10	10	0	243	243	0	231	231	0	243	0	0	0	16	16	350	800
626	Columbia*	2	3	6	6	26	42	68											400	
627	Greenville*	0																		
628	Spartanburgh	0																		

\* Statistics of 1887-88.

a All in academic course.

b In 1887-88.

c The training school is independent of the high schools.



VERMONT.																					
655	Bennington *	1	1	1	2	0	2	31	26	57	20.9	27.1	48	42	30	17	0	10	20	136	1,200
656	Brattleborough	1	1	1	2	2	4	(156)	156	173	(148)	148	114	0	0	0	0	10	20	160	300
657	Burlington	1	1	1	2	4	6	(200)	200	173	(173)	173	22	39	0	0	0	16	19	35	1,200
658	Rutland	1	1	1	2	4	3	(61)	61	52	(52)	52	22	39	0	0	0	6	19	25	500
659	St. Albans *	1	1	1	2	3		(67)	67									(15)	15		
660	St. Johnsbury	c																			
VIRGINIA.																					
661	Alexandria	d																			
662	Danville	2	1					(71)	71												
663	Fredericksburgh	1	1	1	2	22	22	44					(44)	0	0	0	0	2	2		
664	Lynchburg*	2	6	2	8	69	141	32	53	111	103									100	
665	Manchester	1				(32)															
666	Norfolk	0																			
667	Petersburgh	2	2	4	4	62	122	184	48	97	145		184	e150	e31		4	16	20	250	
668	Portsmouth	1	1	1	2	19	39	49	(41)	538	739	41	(49)	0	0	0	5	4	9	0	0
669	Richmond	2	4	28	32	278	733	1,011	201	538	739	0	983	0	28	0	21	72	93	500	
670	Roanoke																				
671	Staunton	1	3	0	3	34	45	79	29.5	35.6	68.1		(79)	0	0	0	0	2	2	150	0
672	Winchester*	2	1	1	2	40	45	85	36	33	75			67	85	0				0	0
WASHINGTON.																					
673	Seattle	1	2	1	3																
674	Spokane Falls	1	1	1	2	26	24	50	(32)		32	0	38	0	0	12	0	0	0	0	100
675	Tacoma	1	1	1	2	27	48	75				0	75	e20	0	0	0	0	0	200	100
676	Walla Walla	b																			
WEST VIRGINIA.																					
677	Charleston	1	0	2	2	11	29	40	10	21	31						2	4	6	150	100
678	Grafton	1	2	0	2	23	34	57	20	28	48						57	3	4	7	280
679	Martinsburgh	1	1	1	3	44	100	179	63	89	152	29	50	0	0	100	2	14	16	30	200
680	Parkersburgh	2	3	2	5	35	60	95	28	32	60	57	18				16	3	8	11	
681	Wheeling	8	8	16	24	200	440		180	200	380							21	37		
WISCONSIN.																					
682	Appleton	1	5	2	7	112	127	239	68	87	155	22	72	0	25	120	55	54	169	650	725
683	Baraboo	1	1	1	3	30	55	85	(66)	66	66	10	75	0	0	0	7	4	11	475	50
684	Beaver Dam*	1	1	1	2	32	44	76	16	(64)	51.5	59	11				3	3	6		
685	Beloit	1	1	1	3	44	70	70	36	64	100	28	88	0	0	0	4	4	4	6,500	1,200
686	Berlin	1	1	1	2	42	74	116	36	(95)	95	0	122	0	0	0	6	9	15	1,000	600
687	Chippewa Falls	1	1	1	3	4	(122)	122	59.7	72.1	131.8	66	0	122	0	0	6	4	10	300	600
688	Eau Claire	3	3	4	7	90	117	207	(122.3)	122.3	192.3	70	76	0	16	0	2	10	12	350	350
689	Fond du Lac	1	1	1	4	52	94	146	9.5	30	39.5	0	41	0	0	0	1	8	478	1,200	
690	Fort Howard	1	1	1	2	10	31	41	21	48	69	42	33	a15	0	0	1	3	100	600	500
691	Green Bay	1	1	1	3	4	27	55	82												

\* Statistics of 1887-88.

a Included also in columns 12 and 13.

b In 1887-88.

c St. Johnsbury Academy is not under the control of the city school board.

d There is no high school; but algebra, geometry, etc., are taught in the eighth grade.

e Included also in column 13.



TABLE 16.—Statistics for 1888-89 of public high schools in cities and villages containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of in-structors.			Number of dif-ferent pupils enrolled.			Average daily attend-ance.			Number of students in—					Number graduated during 1888-89.			Number of volumes in library.	Value of scientific ap-paratus.
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Classical course.	English or scien-tific course.	Com-mercial course.	Teachers' train-ing course.	Other courses and unclassified.	Male.	Female.	Total.		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>
WISCONSIN—cont'd.																				
692 Janesville .....	1	2	2	4	41	66	107	32	59	91	49	58	0	0	0	7	10	17	467	\$1,000
693 Kenosha .....	1	1	2	3	29	40	79	27	28	55	18	50	0	0	0	2	3	5	365	375
694 La Crosse .....	1	2	5	7	85	99	184	81	94	175	96	88	0	0	0	4	4	8	435	750
695 Madison .....	1	2	12	14	134	189	323	108	137	245	145	94	0	61	84	10	25	35	890	250
696 Marinette .....	1																			
697 Menasha .....	1	1	3	4	18	32	50	14	26	40	20	9	0	0	21	2	7	9	800	500
698 Menomonie .....	1	1	1	2	53	59	112	(70)	(56)	70	80	32	0	0	0	5	12	17	402	349
699 Merrill .....	1	1	7	8	(70)	70	499	(436)	(436)	436	0	70	0	0	0	2	3	5		
700 Milwaukee .....	1	7	15	22	50	75	125	46	63	109	30	57	0	0	0	19	30	49		6,360
701 Monroe .....	1	1	2	3	23	58	87	21	42	63	30	57	0	0	0	8	9	17	1,530	360
702 Neenah .....	1	1	2	3	29	58	87	21	42	63	30	57	0	0	0	1	1	2	1,129	325
703 Oconto .....	1	2	0	2	40	22	62	20	27	47	15	28	0	0	0	5	6	11	1,580	300
704 Oshkosh .....	1	61	64	65	(141)	(141)	141	(5113)		6113										
705 Portage .....	1	1	2	3	48	79	127	46.2	59.6	691	33	76				(7)	7	17	250	150
706 Racine .....	1	3	1	4	51	70	121	46.2	105.8	48	48	76				2	12	17	250	150
707 Sheboygan .....	1	2	2	4	26	37	63	47	12	47	12	50	0	0	1	2	4	6	244	250
708 Stevens Point .....	1	1	3	4	41	53	74	58	63	121	52	9	0	12	9	4	7	11	2,500	500
709 Watertown .....	1	3	1	4	81	92	173	58	63	121	52	9	0	12	9	4	7	11	2,500	500
710 Wausau .....	1	1	2	3	45	59	104	21	27	74.9	0	104	0	0	0	4	6	10	400	310
711 Wausau .....	1	2	1	3	27	33	60	21	27	48	31	27	0	0	0	4	6	10	400	310
712 White Water .....	1	1	3	4	27	36	63	17.3	23.2	42.5	31	27	0	0	5	4	4	8	779	500
WYOMING.																				
713 Cheyenne .....	1	1	2	3	23	43	71	25	39	64	24	47	0	0	0	2	3	5	1,125	300

\* Statistics of 1887-88.

<sup>a</sup> This is the number of the fourth-year class, all of whom receive instruction in the theory and practice of teaching. They are also included in the numbers in the classical and English courses.

<sup>b</sup> In 1887-88.

TABLE 17.—Statistics of teachers, enrollment, attendance, and expenditures of evening schools in cities containing over 4,000 inhabitants.

City.	Number of such schools.		Number of evenings the schools were actually in session.		Number of teachers.			Number of different pupils enrolled.			Average daily attendance.			Ratio of average daily attendance to total enrollment.	Attendance first evening of term.	Attendance last evening of term.	Total expenditure for evening schools.
	2	3	4	5	Total.	Male.	Female.	7	8	Total.	Male.	Female.	Total.				
1	1	.....	(1)	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ARIZONA.																	
1	Tucson*	1	112	1	0	77	0	77	0	77	25	0	25	32.4	.....	.....	\$350
2	Los Angeles	1	191	2	1	89	10	99	10	99	54	7	61	61.6	.....	.....	2,110
3	Oakland	1	120	1	1	167	43	210	43	210	54	(71)	71	33.8	64	62	675
4	Sacramento	1	193	13	31	8,150	337	3,487	337	3,487	1,195	119	1,314	37.7	1,432	1,315	.....
5	San Francisco	5	180	3	0	96	33	129	33	129	(54)	(54)	54	41.8	.....	.....	1,077
6	San José	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CONNECTICUT.																	
7	Bridgeport	2	50	3	1	(86)	.....	86	.....	86	.....	.....	227	30.6	.....	.....	2,329
8	Hartford	3	50	7	7	(766)	.....	766	.....	766	(227)	.....	46	52.9	.....	.....	470
9	Meriden	1	50	2	0	(85)	.....	85	.....	85	(45)	.....	55	30.1	.....	.....	500
10	New Britain	2	55	2	3	211	62	273	62	273	(300)	.....	300	25.6	.....	.....	2,697
11	New Haven	11	56	19	1	(1,014)	.....	1,014	.....	1,014	(300)	.....	300	25.6	.....	.....	2,697
12	New Haven	11	56	19	1	(33)	.....	33	.....	33	(57)	.....	57	61.3	.....	.....	255
13	Stamford	1	30	1	2	(232)	.....	232	.....	232	(106)	.....	106	45.3	.....	.....	881
14	Waterbury	5	54	2	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DELAWARE.																	
14	New Castle	1	52	1	1	40	10	50	10	50	.....	.....	56	52.8	.....	.....	154
15	Wilmington	2	56	0	4	(106)	.....	106	.....	106	(56)	.....	56	52.8	.....	.....	.....
DISTRICT OF COLUMBIA.																	
16	Washington (white schools)	8	57	12	11	895	135	1,030	135	1,030	533	85	618	60.0	.....	.....	2,736
17	Washington (colored schools)	5	57.5	6	14	449	631	1,080	631	1,080	242	377	619	57.3	.....	.....	2,310

\* Statistics of 1887-88.

TABLE 17.—Statistics of teachers, enrollment, attendance, and expenditures of evening schools in cities containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of evenings the schools were actually in session.		Number of teachers.			Number of different pupils enrolled.			Average daily attendance.			Ratio of average daily attendance to total enrollment.	Attendance first evening of term.	Attendance last evening of term.	Total expenditure for evening schools.	
		2	3	Male.		Total.	Male.	Female.	Total.	Male.	Female.	Total.					
				4	5												6
ILLINOIS.																	
18	Braidwood.....	1	25	1	0	1	7,369	1,880	9,189	2,518	639	3,157	34.4	3,461	1,297	\$36,162	
19	Chicago.....	27	117	156	43	199	2	12	32	15	10	25	78.1				
20	Effingham*.....			1	1	2	20	20	40	118	145	263	60.3				
21	Peoria.....	5	100	3	2	5	240	196	436					385	49	1,263	
INDIANA.																	
22	Goshen.....	1	60	2	0	2	35	7	42	30	5	35	83.3				
IOWA.																	
23	Burlington.....	3	80	3	0	3	(87)		87	35	(93)	93		68	25		
24	Cedar Rapids.....	2	97		2		212	35	247	95	16	111	44.9			667	
25	Davenport.....	2	79	3	2	5	169	56	225	(113.7)		113.7	50.5			800	
26	Des Moines (west side).....		68	4	2	6											
KENTUCKY.																	
27	Covington.....	2														576	
28	Louisville.....	6	80	4	30	34	(1,392)		1,392	(894)		864	62.1			5,029	
MAINE.																	
29	Biddeford.....	1	64	2	2	4	80	130	210	(102)		102	48.6	60	85	530	
30	Lewiston.....	3	80	7	5	12	180	200	380					200	80	1,521	
MASSACHUSETTS.																	
31	Boston.....	20		74	79	153	(4,360)			(2,943)		2,943	67.5			55,429	
32	Brockton.....			2	2				108	(69)		69	63.9			817	
33	Brookline.....	1	63	1	4	5	63	27	90	(38)		38	42.2			400	



## CITY COMMON SCHOOL STATISTICS.

855

Cambridge	4	50	9	4	12	21	(356)	356	(149)	149	41.8	2,251
Chelsea	2	23	17	11	23	458	(458)	458	(154)	154	33.6	683
Chicopee	4	48	1	28	(28)	398	(398)	398	(406.3)	406.3	76.3	1,885
Clinton	1	35	1	8	8	147	(38)	243	(38)	98	40.3	457
Danvers	1	35	2	1	1	23	(51)	23	(21)	21	52.2	185
Dedham	1	40	2	1	1	3	(51)	54	(21)	21	38.9	130
Fall River	49	64	6	106	(106)	106	(2,730)	2,730	(1,112)	1,112	41.8	11,837
Fitchburg	4	41	6	9	14	225	(248)	243	(163)	163	65.7	2,226
Haverhill	4	20	8	12	23	33	(186)	345	(186)	186	53.9	1,200
Holyoke	5	40	12	23	33	506	(114)	785	250	304	47.6	3,660
Hyde Park	2	689	3	0	3	115	(24)	114	(24)	24	21.1	501
Lawrence	20	55	9	23	37	(849)	(381)	849	(1,437)	581	63.5	2,000
Lowell	21	82	86	(86)	86	1,845	(1,845)	3,314	(1,437)	1,437	43.3	10,413
Lynn	1	42	5	17	22	364	(166)	530	168	78	46.5	1,514
Malden	2	48	6	3	9	137	(107)	244	64	53	50.0	1,562
Milford	1	74	1	1	1	56	(31)	56	31	0	55.4	304
New Bedford	5	80	(39)	1	39	951	(764)	1,507	(764)	764	50.7	7,521
Newburyport	2	28	1	6	7	59	(23)	101	32	23	59.4	245
Newton	51	52	2	6	8	(238)	(57)	236	(57)	57	24.2	574
North Adams	7	40	1	11	12	(206)	(116.5)	266	168	53	81.2	1,606
Northampton	3	59	2	10	12	157	(8)	252	(116.5)	216.5	46.2	1,694
Pittsfield	1	60	4	1	5	113	(30)	149	30	8	25.5	1,079
Plymouth	1	60	(2)	1	2	(60)	(30)	60	(30)	30	50.0	261
Quincy	4	53	6	16	22	468	(167)	635	(57)	57	32.7	2,074
Salem	3	180	4	18	22	238	(127)	295	148	60	49.9	2,525
Somerville	3	50	5	3	8	127	(106)	168	(127)	127	49.2	2,525
Southbridge	6	34	4	5	10	106	(106)	295	106.4	126.5	78.9	777
Springfield	2	40	(10)	5	10	530	(91)	621	(100)	100	94.1	464
Taunton	5	37	11	13	24	381	(298.9)	621	(222)	222	35.7	2,352
Waltham	3	118	5	4	9	163	(132)	295	(298.9)	298.9	87.8	1,303
Watertown	1	27	2	3	5	100	(97)	97	(39)	110	40.2	983
Westfield	1	41	2	5	8	70	(6)	106	35	4	36.8	385
Woburn	1	50	1	3	4	84	(56)	84	56	11	73.8	50
Worcester	10	87	19	29	43	608	(321)	662	321	29	52.8	356
MICHIGAN.												
Detroit	3	124	9	3	12	554	(135)	689	267	77	49.9	777
Grand Rapids	1	80	1	2	3	(194)	(20)	194	(43)	15	22.2	21
Muskegon	3	124	1	2	3	205	(194)	225	100	15	51.1	140
MINNESOTA.												
Duluth	4	68	4	0	4	(6372)	(6372)	6372	(6108)	6108	62.0	500
Minneapolis	10	69	52	0	52	1,828	(2,130)	2,545	(1,148)	1,148	45.1	7,993
St. Paul	11	120	1	1	1	(185)	(185)	185	475	150	29.4	e 499
Sullywater	2	65	2	2	2	125	(135)	135	(36)	36	24.4	36
Winona	3	100	2	2	4	125	(135)	135	90	6	71.1	800
MISSOURI.												
St. Louis	5	60	30	15	45	1,986	(200)	2,186	267	77	49.9	9,121



## NEW YORK.

99	Brooklyn.....	13	51	14	50	64	(11,875)	11,875	(4,604)	4,604	38.8	721	5,837	8,658
100	Buffalo.....	29	690	2	10	12	(475)	1,791	816	1,274	71.1		823	
101	Long Island City *.....	25	289	130	419	316	7,316	26,676	6,912	10,212	50.9			121,582
102	New York.....	1	84	4	1	5	38	52	(35)	35	67.3			
103	Olean.....	2	69	2	9	11	(664)	664	120	245	36.9	248	181	1,314
104	Rochester.....	1	140	0	1	1	60	406	20	180	44.3			
105	Utica.....	3	75	10	4	14	327	452	133	228	50.4			
106	Watertown.....													
107	Yonkers.....													
OHIO.														
108	Chillicothe.....													164
109	Cleveland.....													
110	Delphos *.....	1	60	1	0	1	35	60	20	5	41.6			
111	Portsmouth.....													
112	Xenia *.....													
PENNSYLVANIA.														
113	Allegheny.....	11	80	11	10	21	420	498	314	59	74.9			
114	Ashland.....	2	60	2	2	4	35	98	80	0	81.6	70	60	300
115	Beaver Falls.....	1	24	0	1	1	47	62	17	6	82.3	40	12	90
116	Chester.....	2	80	2	0	2	96	96	14	0	60.4	75	48	
117	Dubois.....	4	160	1	3	4	150	180	58	0				
118	Drumore.....	61	160	2	0	2	135							
119	Edin.....	2	72	1	1	2	103	0	47	0	45.6	28	20	139
120	Hazleton.....	2	60	4	3	7	114	64	59	34	44.7			
121	Lancaster.....	2	60	5	1	6	200	208	108	0	54.0			
122	Manayunk.....	3	80	2	0	2	114	0	83	0	72.8	106	30	200
123	Nanticoke.....	3	80	2	0	3	331	0	182	0	54.5	279	127	369
124	New Brighton.....	53	60	2	0	2	45	57	28	5	57.9			
125	Philadelphia.....						(16,977)	16,977	(9,740)	9,740	57.4			38,083
126	Pittsburgh.....	6	60	(355)	55	335	1,800	1,800	990	31	59.7			
127	Pittston.....	6	60	0	6	6	200	0	160	3	163			340
128	Plymouth.....	6	60	5	1	6	200	0	108	0	54.0			379
129	Pottsville.....	1	60	8	1	2	60	70	(30)	70	42.9			
130	Seranton.....	25	80	8	20	28	1,129	1,249	950	0	81.6			2,142
131	Shenandoah.....	5	62	3	2	5	314	314	138	0	43.9			442
RHODE ISLAND.														
132	Bristol.....	1	76	2	3	5	77	105	(58)	58	55.2			
133	Central Falls.....	1	60	3	6	6	100	131	25	10	26.7	25	35	543
134	Newport.....	1	60	0	6	6	37	91	(39)	39	42.9	15	35	
135	Pawtucket.....	4	94	17	9	26	417	552	(166)	166	30.1	265	83	2,134
136	Providence.....	11	190	82	99	131	2,132	998	(1,056)	1,056	33.5			15,864
137	Woonsocket.....	5	50	7	16	23	280	438	(142)	142	32.4			
SOUTH CAROLINA.														
138	Charleston.....	1	56	3	0	3	207	207	56	0	27.1	134	49	250

\* Statistics of 1887-88.

a Three schools were in session 120 evenings.

b Three months.

c For mechanical drawing.



TABLE 17.—Statistics of teachers, enrollment, attendance, and expenditures of evening schools in cities containing over 4,000 inhabitants—Continued.

City.	Number of such schools.	Number of evenings the schools were actually in session.	Number of teachers.			Number of different pupils enrolled.			Average daily attendance.			Ratio of average daily attendance to total enrollment.	Attendance first evening of term.	Attendance last evening of term.	Total expenditure for evening schools.
			Number of teachers.		Total.	Number of different pupils enrolled.		Total.	Average daily attendance.		Total.				
			Male.	Female.		Male.	Female.		Male.	Female.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VERMONT.															
139 Burlington	2	40	2	0	2			80			32	40.0			\$300
140 Rutland	1	40	2	4	6										
VIRGINIA.															
141 Norfolk	4	40	2	0	2	(167)	0	167	39	0	39	43.8	35	19	14
142 Portsmouth	2	40	3	7	10	279	0	279	88	0	88	31.5			0
143 Richmond	7														
WISCONSIN.															
144 Madison	1		4	0	4	48	0	48	38	0	38	70.2			
145 Marinette*	1		50	16	66	2,038	450	2,488	686	200	886		1,000	600	9,693
146 Milwaukee	41	657	50	1	51	33	0	33	48	0	48		22	12	0
147 Sheboygan	1	45	1	0	1	65	0	65	48	0	48	73.8			
148 Watertown*	1		3	0	3	92	14	106	75	7	82	77.3	74	63	
149 Wausau	2	60	0	2	2	13	2	15	5	1	6	40.0	10	5	
150 Whitewater	1	75	0	1	1										

\* Statistics of 1887, 88.

a Schools for women were in session 37 nights.



TABLE 18.—Statistics for 1888-89 of property and receipts of public

	City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
		Assessed value.	Cash value, based on the assessment.	Grounds.	Build- ings and fixtures.	Furni- ture.	Libra- ries and appar- atus.	Total.
	1	2	3	4	5	6	7	8
<b>ALABAMA.</b>								
1	Birmingham.....	\$18,000,000	\$30,000,000	\$53,000	\$30,000	\$6,000	\$1,000	\$140,000
2	Eufaula *.....	1,361,934	1,500,000	300	1,200	400	0	1,900
3	Huntsville.....							8,000
4	Lively *.....	250,000	500,000	250	1,200	50		1,500
5	Mobile.....				75,000	20,000	3,000	98,000
6	Montgomery.....	9,500,000	14,250,000					50,000
7	Selma *.....							
8	Tuscaloosa.....	2,500,000	3,500,000	5,000	18,500	1,500		25,000
<b>ARIZONA.</b>								
9	Tucson *.....			(68,200)			225	68,425
<b>ARKANSAS.</b>								
10	Fort Smith.....	4,000,000	8,000,000	63,000	120,000	15,000	2,000	200,000
11	Helena *.....	1,250,000	3,000,000	3,000	27,000	3,000	200	33,200
12	Little Rock.....	10,715,139	17,858,565	85,600	76,100	7,500	500	169,700
13	Pine Bluff *.....			8,500	12,000	2,000	500	23,000
14	Tuxarkana *.....		1,500,000	2,000	12,000	5,000	3,000	22,000
<b>CALIFORNIA.</b>								
15	Chico.....	1,569,056	2,413,932	10,000	50,000	5,000	2,000	67,000
16	Eureka.....	4,500,000	6,750,000	60,000	25,000	5,000	1,000	91,000
17	Los Angeles.....	40,000,000	133,000,000	251,850	183,630	21,800	4,000	461,230
18	Marysville.....	3,080,315	4,107,087	4,000	20,000	2,000	1,500	27,500
19	Oakland.....	35,776,980	35,776,980					418,056
20	Pasadena.....			30,000	100,000	10,000	10,000	150,000
21	Riverside.....							
22	Sacramento.....	13,000,000	17,333,333	125,000	105,000	20,000	2,000	252,000
23	San Francisco.....	273,389,616	273,389,616	3,221,900	1,310,300	210,000	29,980	4,772,180
24	San José.....	16,577,131	16,577,131	111,100	107,000	16,200		234,300
25	Santa Cruz.....	3,041,000	5,068,333	10,000	32,000	8,600	1,000	51,000
26	Santa Rosa.....	3,500,000	5,833,333	10,000	20,500	4,750	200	35,450
27	Vallejo.....			3,000	32,274	2,500	2,726	40,500
28	Woodland.....	3,374,832	3,374,832					40,500
<b>COLORADO.</b>								
29	Aspen.....	1,960,088	1,960,088	2,500	14,500	2,500	100	19,600
30	Colorado Springs.....	4,150,000	4,150,000	5,000	125,000	1,000	3,000	134,000
31	Denver (District No. 1).....							
32	Leadville.....	2,986,457	5,972,914	10,000	115,000	5,000	1,500	131,500
33	Pueblo (District No. 1).....	6,534,331	19,602,993	c33,000	c91,000	c4,000	c400	c128,400
<b>CONNECTICUT.</b>								
34	Bridgeport.....	16,759,389	16,759,389					c310,000
35	Bristol.....	c2,300,000	c3,500,000	(c48,000)		c5,000	c1,000	c54,000
36	Hartford.....	48,541,890	48,541,890	(1,113,500)				
37	Meriden.....			55,665	242,841	19,300		317,806
38	Middletown.....	c4,500,000	c4,500,000					c80,000
39	New Britain.....	7,000,000	7,000,000					255,000
40	New Haven.....	49,311,745	65,748,993					900,000
41	New London.....	7,500,000	12,000,000					
42	Norwich.....			25,000	130,000	10,000	2,000	167,000
43	Rockville.....	2,000,000	4,000,000	10,000	60,000	5,000	2,000	77,000
44	South Norwalk.....			5,000	30,000	3,000	1,400	39,400
45	Stamford.....							
46	Thompsonville.....							
47	Willimantic.....	3,700,000	6,166,667	10,000	50,000		1,000	61,000

\* Statistics of 1887-88.

a Balance of State appropriation returned to State treasury.

b Amount received from county taxes is included in column 9.

c In 1887-88.



*schools of cities and villages containing over 4,000 inhabitants.*

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$2,381	\$81,468	\$2,872	\$3,084	\$590	\$90,395	0	0	\$90,395	1
1,556	1,700				3,256	0	0	3,256	2
902	250	175		706	2,033		\$141	2,174	3
3,674	14,000	800	2,736		21,210	0	300	21,510	4
1,818	6,615		402		8,835		\$1,830	10,665	5
1,378	2,903	402	1,836	272	6,791	\$18,635	15	25,441	6
	(15,054)			280	15,334				7
									8
2,670	0	0	88	15,817	18,575	0	26,151	44,726	9
1,378	4,950	0	0	0	6,328		0	6,328	10
8,538		(10,563)			19,101	0	30,117	49,218	11
1,200		9,000			10,200		0		12
3,000	5,000	3,500	200		11,700		0	11,700	13
									14
7,820		5,965		21	13,806	0	448	14,254	15
12,155		6,200			18,355	36,950	3,126	58,481	16
93,119	77,054	47,041	537	0	217,750	0	13,470	231,220	17
5,521	5,470	2,821			13,812	0	1,320	15,132	18
101,659	74,569	40,819	1,801	24,811	243,659	0	12,628	256,287	19
									20
48,502	33,541	0	337	30	82,410	0		82,410	21
558,495	(359,313)		562	4,587	922,957		3,309	926,266	22
38,045	33,500	15,120	294	6		0	19,760	106,725	23
12,068	8,258	7,296	112	48	27,782	0	436	28,218	24
10,352	8,845	4,323	97	0	23,617	0	2,730	26,347	25
13,246		7,521			20,767	0	4,643	25,410	26
7,369		4,499		65	18,308		225	18,531	27
									28
64,819	11,992	(b)	0	2,648	19,489		3,067		29
9,571	30,021			122	39,714	4,685	3,810	48,209	30
	(267,215)		0	1,334	268,549	0	147,550	416,098	31
4,000		34,440		700	39,140	0	0	39,140	32
		32,186		13,718		12,139	6,051		33
									34
(94,049)					94,049	0	0	94,049	35
1,968	14,000		32		13,000	0		13,000	36
22,464	656,678			48,929	228,071	10,750		238,821	37
68	654,360	76,947		906	62,281	0	0	62,281	38
3,560	11,018	6,146	1,288	171	22,183	8,000	2,921	33,104	39
40,813	48,402	153,620	2,081	3,171	248,086	115,900	19,566	383,551	40
5,937	43,500	0	0	562	49,999	22,680	0	72,679	41
3,406	28,760		910	55	33,131		1,824		42
4,187	14,577	179	0	0	18,943	0	0	18,943	43
	5,841	11,810	254	464		4,000	2,881		44
									45
2,576	48,469	73,068		557	9,670	0	0	9,670	46
	9,326	2,648	(1,666)		13,640	0	0	13,640	47

d Includes town and district taxes.

e Town appropriations.

f District taxes.

TABLE 18.—Statistics for 1888-89 of property and receipts of public

	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
City.	Assessed value.	Cash value based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
DAKOTA.							
48 Deadwood.....	\$979,590	\$1,959,180					
49 Fargo*.....	2,931,619	6,000,000	\$24,200	\$117,200	\$3,000	\$200	\$146,600
50 Grand Forks.....	1,561,145	4,683,435	20,000	45,000	5,000		70,000
51 Sioux Falls.....							
52 Yankton.....	1,750,000		6,000	35,000	5,000	1,000	47,000
DELAWARE.							
53 New Castle.....	1,475,299	2,212,949		13,000	2,000		
54 Wilmington.....	33,210,200	33,210,200					425,000
DIST. OF COLUMBIA.							
55 Washington (white schools).	127,214,025	190,821,038					
56 Washington (colored schools).							
FLORIDA.							
57 Palatka.....	1,100,000	3,300,000	2,000	150	50		2,200
58 Pensacola.....	2,635,384	6,713,460	4,800	15,500	2,350	300	22,950
59 Tampa.....			3,000	7,000	800	200	11,000
GEORGIA.							
60 Americus.....	2,400,000	3,000,000	25,000	15,000	1,200		41,200
61 Athens.....	4,550,000	4,550,000	5,000	30,000	2,500	3,000	40,500
62 Atlanta.....	32,000,000	42,666,667	87,700	172,250	16,100	1,500	277,550
63 Augusta.....	19,000,000	36,000,000	1,600	40,000	10,000	1,000	52,600
64 Columbus.....	7,142,350	7,142,350	50,000	55,700	20,000		
65 Griffin*.....							
66 Macon.....	11,300,423	15,067,231	28,500	65,000	5,000	350	98,850
67 Rome*.....				13,500	1,800	564	15,864
68 Savannah.....			175,000	200,000	20,000	500	395,500
IDAHO.							
69 Boise City.....				100,000			
ILLINOIS.							
70 Aurora*.....	3,572,489	9,500,000		(145,000)		2,940	147,940
71 Beardstown.....	525,000	1,312,500	6,000	30,000	2,000	300	38,300
72 Belleville.....	2,400,000	6,000,000	40,000	106,600	5,000	3,000	154,600
73 Belvidere.....	4800,000	12,400,000	2,000	34,000		580	36,580
74 Bloomington.....	11,000,000	33,000,000				1,900	312,000
75 Braidwood.....				(24,000)		270	24,270
76 Cairo.....	1,723,943	5,171,829	14,000	48,000	2,000	1,000	65,000
77 Canton.....	841,726	2,525,178	(54,043)		10,594	1,488	66,125
78 Carlinville.....			1,250	40,000	3,500	250	45,000
79 Centralia.....	685,000	1,955,000	1,500	22,000	1,700	75	25,275
80 Champaign (west side).							
81 Chicago.....	168,135,831	672,543,324	1,500,000	4,250,000	220,000	25,000	5,995,000
82 Danville*.....	2,000,000	6,000,000					
83 Decatur.....	2,336,553	7,009,659	55,000	120,000	4,000	3,000	182,000
84 Effingham*.....	1,200,000	2,000,000	1,000	25,000	3,000	250	29,250
85 Elgin*.....	2,651,286	7,553,858	46,900	77,000	7,450	2,500	156,350
86 Evanston.....	1,295,803	7,774,818	20,000	60,000	3,800	200	84,000
87 Freeport.....	1,679,680	5,878,880	10,700	(75,682)		844	87,226
88 Galena.....	487,601	2,438,005	1,500	30,000	4,000	1,750	37,250
89 Galesburgh.....	2,500,000	7,500,000	20,000	130,000	10,000	1,000	161,000
90 Geneseo.....							

\* Statistics of 1887-88.

a Other buildings used for public schools are not public property.

b The accounts of the city and county schools are kept together, and it is impossible to make a financial statement for the city alone.

c In 1887-88.

schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
	\$7,434	\$1,131		\$100	\$8,675				48
\$6,906	11,535	0	\$365	2,312	20,918	0	\$29,013	\$49,931	49
1,826	15,749				17,575	\$6,234		23,809	50
	20,061	3,096			23,157		6,867	30,024	51
									52
891	4,500	0	0	319	5,710	0	34	5,744	53
9,765	128,850	688	0	340	139,643	0	21,382	161,025	54
334,176	334,177	0	0	0	668,353	0	0	668,353	55
140,666	140,666	0	0	0	281,332	0	0	281,332	56
					(b)			(b)	57
					(b)			13,100	58
					(b)			(b)	59
752	8,090	402	505		9,749	0	872	10,621	60
2,354	14,963		99	40	17,456	0	0	17,456	61
7,538	113,165	3,157	0	0	123,860	0	0	123,860	62
11,090	(40,000)		2,000	0	53,090	0	0	53,090	63
	17,038		2,718	2,600	23,391	0		23,391	64
886					5,909			5,909	65
					(b)			(b)	66
1,593					10,705	0	0	10,705	67
7,769	54,000	6,399	5,157		73,325	0	393	73,718	68
	9,955	3,770	(215)		13,940	1,134	441	15,515	69
2,723	26,613	32,860		31	52,227		4,575	56,802	70
991	12,360		102	1,514	14,957	998	55	16,020	71
4,514	39,602	0	376	192	44,684	0	2,084	46,768	72
641		9,671	494	106	10,640	0	6,821	17,461	73
6,598	56,723		229	5,532	69,083	0	7,293	76,376	74
1,500					10,000	3,500	2,443	15,943	75
2,375		14,652			17,327	12,000	812	30,139	76
1,329	14,197		157	30	15,713	25,000	2,950	43,663	77
1,100	8,500		185		9,785	0	1,000	10,785	78
1,314	10,071	470	208	7	12,070		768	12,838	79
1,122	9,323	0	238	0	10,683	0	3,955	14,638	80
136,313	2,118,550		1,275	570,806	2,826,944				81
	(50,167)		36	36	50,203	12,240	16,811	79,253	82
4,365	35,689	0		144	40,448	0	13,894	54,342	83
800	6,000	100	75		6,975		2,100	9,075	84
									85
904	29,143		156	300	30,508	30,632	18,489	79,629	86
3,110	24,280	194	133	8	27,725	0	2,823	30,548	87
2,046	11,731	0	203	3,078	17,058	0	5,534	22,592	88
4,525	25,000		71	461	30,057	0	17,651	47,708	89
			17						90

\*d Estimated.

e Of this amount \$512,036 was derived from rental of land belonging to the city school fund, and \$45,800 was received as interest on principal of city school fund.



TABLE 18.—Statistics for 1888-89 of property and receipts of public

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
ILLINOIS—cont'd.							
91 Jacksonville .....	\$1,795,068	\$7,180,272					\$150,000
92 Joliet .....	2,595,024	15,570,144		(\$160,000)		\$800	160,800
93 Kankakee .....	679,203	3,396,015	\$13,500	57,000	\$5,000	800	76,300
94 La Salle* .....	695,821		6,000	25,000	2,000	300	33,300
95 Lincoln .....	1,000,000		5,000	50,000	3,100	500	58,600
96 Litchfield .....	552,776	1,653,328	2,000	48,000	2,500	500	53,000
97 Mendota .....			1,000	60,000	2,750		63,750
98 Moline .....	1,650,000	4,950,000	20,000	100,000	4,000	2,000	126,000
99 Monmouth* .....			12,750	50,000	2,500	150	65,400
100 Olney .....	413,702	1,238,105	2,500	37,500	2,000	500	42,500
101 Ottawa .....	1,209,208	4,836,832		(50,000)		350	50,350
102 Paris .....	1,500,000	4,500,000	10,000	51,000	2,000	1,000	64,000
103 Pekin* .....	868,989	3,479,956	6,000	70,000	3,000	250	79,250
104 Peoria .....	7,749,346	30,997,384	75,000	275,000	40,000	10,000	400,000
105 Peru .....	732,801	2,198,403	6,500	16,000	1,500	500	24,500
106 Pullman .....		13,000,000	00	00		500	500
107 Quincy .....	4,544,490	22,722,450	70,000	110,000	10,000	1,650	191,650
108 Rock Island .....	2,333,290	6,999,870	28,000	75,000	5,000	1,500	109,500
109 Rockford .....	4,416,964	13,340,392	13,986	15,500	9,448	2,520	41,454
110 Springfield .....	5,323,947	15,971,841	50,000	175,000	7,500	3,000	235,500
111 Sterling .....	1,200,000	3,600,000	4,000	50,000	2,500	1,000	57,500
112 Sreator .....	1,125,000	3,375,000	10,000	30,000	5,000	500	45,500
INDIANA.							
113 Anderson .....	1,245,680	3,737,040	14,000	15,000	1,000	250	30,250
114 Aurora .....			7,000	28,000			35,000
115 Brazil .....			7,000	35,000	4,000	500	46,500
116 Columbus .....	3,394,410	4,788,820	15,000	55,000	2,000	1,000	73,000
117 Crawfordsville* .....				(115,000)		1,000	116,000
118 Elkhart .....	2,367,245	7,101,735	39,500	102,500	3,500	4,500	150,000
119 Evansville .....	620,825,708	632,000,000	90,750	296,518	17,142	4,414	408,824
120 Fort Wayne .....	13,189,435	13,189,435	64,050	165,000	13,460	8,500	251,010
121 Frankfort* .....				(80,000)		500	60,500
122 Goshen .....	62,000,000	62,000,000	12,000	50,000	4,500	1,500	68,000
123 Greencastle .....	2,299,056	3,065,408	10,000	70,000	1,500	2,150	83,650
124 Indianapolis .....	50,538,210	101,076,420	217,800	562,000	90,000	25,000	894,200
125 Jeffersonville .....	2,600,000	63,500,000	8,000	60,600	4,000	200	72,800
126 Kokomo .....	2,082,230	4,164,460	13,000	40,000	2,000	3,000	58,000
127 La Fayette* .....				(195,000)		15,000	210,000
128 La Porte* .....		3,000,000	11,000	50,000	5,000	8,000	74,000
129 Lawrenceburgh .....	1,300,000	2,600,000	4,000	10,000	1,000	300	15,300
130 Logansport .....	3,850,265	11,550,795	70,000	68,000	500	200	138,700
131 Madison* .....				(80,000)		500	80,500
132 Michigan City* .....	2,259,764	4,650,891	13,500	35,000	6,000	1,000	55,500
133 Mount Vernon* .....			10,000	28,000	5,000		43,000
134 Muncie .....	2,324,945	24,000,000	100,000	80,000	9,000	550	139,550
135 New Albany* .....	8,700,060	14,000,000		(167,000)		200	167,200
136 Peru .....	1,566,580	4,699,740	8,500	38,000	2,000	1,000	49,500
137 Richmond .....	9,284,674	13,927,011	70,000	155,000	5,000	5,000	235,000
138 Seymour .....	1,250,000	2,500,000	8,000	40,000	3,000	500	51,500
139 Shelbyville* .....	2,184,840	4,200,000	4,000	30,000	1,500	500	36,000
140 South Bend .....	6,000,000	15,000,000	50,000	102,500	5,500	2,000	160,000
141 Terre Haute .....	14,553,674	21,830,511		(203,172)		2,500	265,672
142 Valparaiso .....	1,582,095	3,164,190	4,000	44,000	2,000	1,000	51,000
143 Vincennes .....	4,240,000	8,480,000	10,000	35,000	2,000	1,500	48,500
144 Washington .....			10,000	40,000	2,000	600	52,600
IOWA.							
145 Atlantic .....	785,230	1,963,075	3,000	45,000	2,500	200	50,700
146 Boone* .....			20,000	50,000	600	1,000	71,600
147 Burlington .....	5,000,000	16,666,667					150,000
148 Cedar Rapids .....							
149 Clinton .....							
150 Council Bluffs .....	6,198,264	20,660,880	110,800	215,800	21,700	1,300	349,600
151 Creston .....	1,000,000	2,500,000	10,000	90,000	2,500	1,000	103,500
152 Davenport .....	4,462,865	17,851,460	65,000	215,000	23,000	2,000	310,000
153 Des Moines, East .....	2,960,800	5,921,600	33,800	157,600	11,400	1,000	203,800
154 Des Moines, West .....	8,464,780	16,929,560	83,000	286,000	15,000	3,000	387,000

\* Statistics of 1887-88.

a Buildings are rented.

b In 1887-88.

schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$3,189	\$22,000	\$5	\$165	\$473	\$25,832	0	\$25,131	\$50,963	91
6,000	58,932		609	180	65,721	0	3,694	69,415	92
2,366	12,304	0	474	291	15,435	\$3,359	3,447	22,241	93
3,000	(10,000)		0	0	13,000	0	6,000	19,000	94
2,300	14,455		100	150	17,005		5,009	22,560	95
1,698	10,067		266	472	12,503	16,800	1,573	30,876	96
1,553		9,308	225	208	11,294	3,700	11,798	26,792	97
2,178		35,566	338	1,723	39,806	0	0	39,805	98
1,365		17,656		1,117	20,137	51,179	3,254	74,570	99
1,039	6,814		174	54	8,081		2,613	10,694	100
2,171	16,226	5,548	126	15	24,186	0	14,786	38,872	101
									102
2,035	14,611		52	25	16,723		15,278	32,001	103
10,032	99,839			3,802	113,673	41,000	2,163	156,836	104
1,573	(10,500)		225	176	12,474	1,500			105
1,540		25,910			27,450		589	28,039	106
9,415	37,982			125	47,522	0	3,741	51,263	107
3,605	37,474		262	800	42,141	22,881	0	65,022	108
5,175	56,654		657	101	62,587	4,100	4,858		109
6,546	51,120	49	749	14	58,478	0	8,765	67,243	110
2,007	0	470	0	11,116	13,593	0	4,027	17,620	111
					30,684	0	17,874	48,558	112
7,749	4,955	0	5	248	12,957	6,000	11,037	29,994	113
4,096	3,071	1,414	126		8,707	0	7,762	16,469	114
					14,681	0	8,635	23,316	115
6,825	10,104		295		17,224	0		17,224	116
									117
9,872	10,663	6,792	50	0	27,377	0	7,099	34,476	118
									119
12,503	0	18,126	0	0	30,629	0	102,095	132,724	120
	(14,403)			253	14,661	0	6,784	21,445	121
18,655	2,000		105	103	20,763	0	8,910	29,773	122
4,551	9,252		50	665	14,518	0	9,162	23,680	123
115,451	110,975	35,554	286	2,178	264,444	78,957	c0	343,402	124
15,431	15,580		33	105	31,152		6,972		125
5,733	14,191	0	0	0	19,924	0	2,467	22,391	126
	(48,690)			46	48,736	0	28,820	77,556	127
21,012	(2,060)		114	645	23,832		19,337	43,168	128
					b12,000		b200	b12,200	129
			128		27,682	0	2,927	30,509	130
	(23,233)			563	23,796	0	13,891	37,687	131
8,648	1,654	4,102	11		16,319		10,054	26,373	132
									133
	b5,427		d88		d5,515		b9,149		134
								68,268	135
							b14,686	b25,452	136
16,830	36,553	2,555	474	1,941	58,853	16,144	42,425	116,922	137
						0	b4,984	b12,177	138
							5,260	16,428	139
23,174		16,853	121	0	40,148	0	24,906	65,054	140
50,016	2,661	47,730	142	225	100,774	0	15,339	116,143	141
	(10,763)		129		10,892	0	7,852	18,744	142
10,517	4,211	112	12	0	14,852	0	17,717	32,569	143
5,873	1,196	3,749	124	137	11,079	0	4,995	16,074	144
2,235		15,096	378	0	17,709	0	6,478	24,187	145
1,500	4,000	10,000	300		15,800				146
							5,938		147
									148
									149
8,053		59,706			67,759	40,000	29,150	136,909	150
2,500	(26,000)		300		28,500	16,000	18,000	62,500	151
10,163	72,327		327	545	83,362	0	22,821	106,183	152
	(60,874)		300	73	61,247	0	10,817	72,064	153
9,988		96,658	549	67	107,262	1,645	46,889	155,796	154

c Overdraft \$40,057.

d Estimated.



TABLE 18.—Statistics for 1883-89 of property and receipts of public

	City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
		Assessed value.	Cash value based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
	1	2	3	4	5	6	7	8
IOWA—continued.								
155	Dubuque.....	\$17,000,000	\$51,000,000	\$35,500	\$163,800	\$10,250	\$5,000	\$214,550
156	Fort Dodge.....	802,743	2,498,229	7,600	38,000	3,700	800	50,100
157	Fort Madison.....							
158	Iowa City.....	2,324,535	4,649,070					60,000
159	Keokuk.....	3,330,429	5,000,000	20,000	105,000			150,000
160	Le Mars.....			7,000	30,000	2,500	800	40,300
161	Lyons.....	626,000	1,878,000	4,000	40,000	300	350	44,650
162	Marshalltown.....	1,494,337	4,433,011	15,000	85,500	7,000	1,200	108,700
163	Mount Pleasant.....	1,103,889	2,772,223	4,000	36,000		300	40,300
164	Muscatine*.....	1,750,000	3,500,000	12,000	75,000	5,000	1,500	93,500
165	Oskaloosa.....	1,182,759	2,956,898	12,500	100,000	3,900	2,274	118,674
166	Ottumwa.....	2,971,527	5,943,054	20,000	113,500	5,000	1,500	140,000
167	Sioux City*.....		10,000,000	100,000	200,000	20,000	850	320,850
168	Waterloo*.....	1,670,000	1,670,000	(35,000)		1,000	500	36,500
KANSAS.								
169	Atchison.....	63,200,000	10,000,000					165,000
170	Clay Center.....	837,332	2,512,146	15,000	65,000	1,000	500	81,500
171	El Dorado.....	6758,000	63,032,000	6,000	25,000	9,000	350	40,350
172	Emporia.....	2,547,892	5,095,784	18,509	67,218	7,802	1,000	94,529
173	Fort Scott.....	2,116,500	6,349,500	40,000	70,000	6,000	600	116,600
174	Hutchinson.....	2,139,425	6,000,000	30,000	40,000	3,500	1,500	75,000
175	Independence.....	642,336	1,927,188	7,000	24,000	3,000	160	34,160
176	Kansas City.....	8,425,630	25,278,890	130,500	142,300	20,000		292,800
177	Lawrence.....	1,920,669	4,801,675					
178	Leavenworth.....	5,471,386	16,414,158	33,000	125,000	35,000	5,000	198,000
179	Newton.....	1,439,960	5,034,860	18,000	75,000		500	93,500
180	Ottawa.....	1,382,143	4,146,444	15,000	50,000	7,000	400	72,400
181	Parsons.....	866,000	2,598,000	25,000	100,000	20,000	1,000	146,000
182	Salina.....	1,923,063	4,807,658	(92,762)		(7,233)		100,000
183	Topeka.....	69,000,000	136,000,000	6150,000	6271,500	610,000	61,000	6432,500
184	Wellington.....	1,298,719	3,896,158	16,000	50,000	8,000	1,000	75,000
185	Wichita.....	10,900,000	36,333,333	300,000	113,910	11,026	2,314	427,250
186	Winfield.....			630,000	662,500	(64,500)		697,000
KENTUCKY.								
187	Ashland.....							
188	Bowling Green*.....	2,000,000	2,000,000	3,500	21,500	5,300	1,000	31,000
189	Covington.....	16,000,000	24,000,000	40,300	150,000	8,000	2,500	200,800
190	Dayton.....	1,140,000	1,500,000	63,200	616,000	64,000	60	623,200
191	Hopkinsville.....	1,300,000	1,850,000	6,000	15,000	2,500	1,000	24,500
192	Lexington.....	11,000,000	16,500,000					120,000
193	Louisville.....	72,663,234	72,663,234	224,069		(814,106)		1,038,175
194	Newport.....	7,500,000	7,500,000	40,000	100,000	6,000	1,000	147,000
195	Owensborough.....	2,752,152	2,752,152	27,000	41,000	3,000	100	71,100
196	Paducah.....	4,601,300	6,901,950	30,000	55,000	4,800	800	90,600
197	Paris.....	61,000,000	1,500,000	2,000	8,000	500	500	11,000
LOUISIANA.								
198	New Orleans*....	127,000,000	127,000,000	250,000	400,000	50,000	10,000	710,000
MAINE.								
199	Auburn*.....	4,554,165	5,464,998					79,000
200	Augusta.....	4,779,778	6,372,937	3,500	68,000	3,500	2,000	77,000
201	Bangor.....	9,955,102	9,955,102					6125,000
202	Bath*.....	5,913,920	78,860,000	40,000	72,500	8,500	1,000	122,000
203	Belfast*.....							12,400
204	Biddeford.....	6,065,550	10,109,300	12,000	85,000	5,000	2,000	104,000
205	Calais.....	2,026,132	2,701,509	5,000	30,000	1,000	500	36,500
206	Ellsworth.....	1,640,562	2,460,843					25,000
207	Lewiston.....	11,113,083	16,000,000	(245,000)		16,000	14,000	275,000
208	Portland.....	34,072,405	51,108,607		264,484	19,500	5,000	283,984
209	Rockland.....	63,859,027	15,788,541	64,650	635,250		61,200	641,100
210	Saco.....	63,348,361	15,000,000	(635,000)		68,000	6500	643,500

\* Statistics of 1887-88.

a Estimated.

b In 1887-88.

c One building was recently destroyed by fire.



schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State ap- portion- ment or taxes.	From city appropri- ations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$10,952	\$63,600		\$117	\$58	\$74,727		3,213	77,940	155
2,860		\$13,027	321	2	16,210	0	9,904	26,114	156
	(28,553)		888	0	29,471	0	3,415	32,887	157
					641,000				158
									159
2,105		9,193			11,298	0	1,722	13,020	160
3,744	31,634	0	246	0	35,624	0	17,872	53,496	161
	(12,006)		134	6	12,146	0	1,227	13,373	162
3,895	28,822		124		32,841			32,841	163
2,392		16,814	257	8,972	23,436	0	2,042	30,478	164
									165
	40,672			44,384	85,056				166
1,831	11,667			102	13,600		2,150	15,750	167
									168
5,806	(19,302)		816		25,924	0	8,671	34,585	169
1,167	2,675	10,530	300	0	14,672	0	3,496	18,168	170
			180						171
3,274	26,874		73		30,221	0	91	30,312	172
3,811	13,886	313	70		18,080	2,500	2,512	23,092	173
1,256	23,545		20	0	24,821	71,012	0	95,833	174
1,708	9,537		72		11,317	0	3,191	14,508	175
10,383	59,885				70,268	127,000	10,923	208,191	176
3,728	23,420	4,490	537	39	28,761		7,163	39,427	177
8,434	(48,817)		2,455	638	60,344	9,500	9,012	78,856	178
2,079	(23,187)		147	7,200	32,613	62,500	6,508	101,621	179
2,474	16,577	25		94	19,170	0		19,170	180
2,199	2,753	12,708		16	17,676	1,377	2,666	21,718	181
					23,747	0	4,257	28,004	182
10,563	(76,192)		604	1,295	88,654	0	7,120	95,774	183
1,982	17,347		(135)		19,464	0	3,602	23,066	184
8,805	59,422	0	0	0	68,227	0	20,041	88,268	185
					16,484		603	17,087	186
									187
4,000	8,000				12,000		3,333	15,333	188
24,889	34,848	0	500	171	60,408	15,100	11,638	87,146	189
2,719	5,393			6	8,118	0	1,019	9,137	190
									191
12,000	20,000		150		32,150	30,000		62,150	192
121,816	224,370		1,639	8,899	356,224	0	1,050	357,274	193
17,339	21,140				38,479	0	0	38,479	194
4,942	14,544	0	352	307	20,145	0		20,145	195
10,179	10,000	0	600	0	20,779	0	3,223	24,002	196
1,000	6,000						100		197
									198
35,919	150,167				195,086		14,739	209,825	199
									200
5,713	18,500		5		24,218			24,218	201
4,614	10,933	46,540	41		22,128	0		22,128	202
9,629	32,500		223		42,531				203
5,227	11,473		142	18	16,860	0	0	16,860	204
2,269	65,214	f3,900			11,343	0		11,343	205
7,743	18,000	0	0	0	25,743	0	0	25,743	206
4,517	6,875	0	0	250	11,642	0	0	11,642	207
3,016	4,200				7,216	0	101	7,317	208
12,073	27,521	40	10		39,614	50,000	0	89,614	209
19,846	81,636	0	0	0	101,482	0	0	101,482	210
3,893	9,040		37	341			0		211
3,150	10,100		16	43	13,314				212

d District taxes.

e From town treasury.

f From local funds.

TABLE 18.—Statistics for 1888-89 of property and receipts of public

	City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
		Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
	1	2	3	4	5	6	7	8
<b>MARYLAND.</b>								
211	Baltimore.....	\$294,000,000	\$294,000,000	\$600,000	\$1,500,000	\$180,000	\$10,000	\$2,290,000
212	Frederick.....	12,000,000	12,000,000	2,000	18,000	1,000	600	21,600
213	Hagerstown.....	3,500,000	5,250,000	5,400	35,000	4,000	200	44,600
<b>MASSACHUSETTS.</b>								
214	Attleborough.....	3,810,642	5,080,856	12,000	48,000	3,000	1,500	64,500
215	Beverly *.....	14,287,100	14,287,100	20,000	145,000	11,000	400	176,400
216	Boston.....	764,452,548	764,452,548	(8,629,500)				
217	Brookton.....	15,117,528	15,117,528					
218	Brookline.....	41,246,900	41,246,900	(360,000)				
219	Cambridge.....	62,450,040	62,450,040	200,000	550,000	(12,000)	6,000	756,000
220	Chelsea.....	20,189,850	20,189,850	(415,000)				425,000
221	Chicopee.....	5,920,470	7,893,960	4,600	47,000	4,200	2,400	58,200
222	Clinton.....	5,150,000	5,150,000	100,000	120,000	8,000	1,000	229,000
223	Danvers.....	3,861,370	3,861,370	10,500	35,500	3,000	500	49,500
224	Dedham.....	5,273,965	5,273,965					685,000
225	Everett.....	6,499,100	6,499,100	13,800	62,000	9,000	2,000	86,800
226	Fall River.....	49,841,691	49,841,691					830,500
227	Fitchburg.....	14,810,763	21,158,240	(214,100)		(15,900)		260,000
228	Gloucester.....	13,257,641	15,597,413	30,000	210,000	12,300	3,000	255,300
229	Haverhill.....	16,659,379	16,659,379					6276,700
230	Holyoke.....	19,121,335	19,121,335	80,496	201,266	11,746	10,712	304,221
231	Hyde Park.....	6,874,500	6,874,500					115,000
232	Lawrence.....	28,971,979	28,971,979					350,000
233	Lowell.....	57,646,775	57,646,775	250,000	325,000	50,000		625,000
234	Lynn.....	33,224,080	33,224,080	(342,200)		25,000	5,500	572,700
235	Malden.....	15,384,300	15,384,300	92,311	209,500	16,500	2,500	323,811
236	Marblehead.....	4,591,026	4,591,026	65,250	632,200	61,500	6100	639,050
237	Marlborough.....	5,207,339	5,207,339					100,000
238	Medford.....	8,929,075	13,393,613	12,000	140,000	5,000	1,000	158,000
239	Milford.....	4,876,704	4,876,704	20,600	67,400	4,500	1,800	94,300
240	New Bedford.....	33,454,347	33,454,347	(465,550)		26,000	21,000	512,550
241	Newburyport.....	9,221,070	9,221,070	(697,500)		62,000	6200	699,700
242	Newton.....	33,278,642	33,278,642					581,600
243	North Adams.....	5,610,833	8,416,250	25,000	150,000	20,000	5,000	200,000
244	Northampton.....	9,494,493	9,494,493	37,000	99,000	10,500	6,000	152,500
245	Peabody.....	7,063,650	7,063,650					
246	Pittsfield.....	9,893,969	14,840,939	30,000	100,000	15,000	1,500	146,500
247	Plymouth.....	5,373,325	5,373,325	68,500	665,000	64,200	62,500	680,200
248	Quincy.....	9,757,960	9,757,960					
249	Salem.....	26,351,328	26,351,328					373,500
250	Somerville.....	1,287,023	1,287,023	(423,380)		19,125	5,000	447,455
251	Southbridge.....	3,178,050	4,237,399	4,800	26,500	1,985	1,850	35,135
252	Spencer.....	4,011,090	4,011,090					
253	Springfield.....	39,863,255	39,863,255					670,800
254	Stoneham.....	3,260,328	3,260,328	25,700	42,700	4,000	4,000	76,400
255	Taunton.....	17,291,740	17,291,740					
256	Waltham.....	13,148,810	13,148,810	50,837	165,600	11,626	9,180	237,243
257	Watertown.....	6,910,988	6,910,988					102,025
258	Westfield.....	7,000,000	7,500,000	10,000	100,000	5,000	4,000	119,000
259	Weymouth.....	5,901,114	8,851,671	18,000	130,000	10,000	4,000	162,000
260	Woburn.....	8,500,000	8,500,000					174,000
261	Worcester.....	64,551,736	86,068,981	245,700	797,450	64,137	9,925	1,117,212
<b>MICHIGAN.</b>								
262	Adrian.....	4,000,000	4,000,000	(100,000)		6,000	9,000	115,000
263	Alpena.....	3,651,275	5,476,913					40,600
264	Ann Arbor.....	6,196,280	8,261,707	37,000	145,000	3,000	6,000	191,000
265	Battle Creek *.....			18,000	133,000	8,000	12,000	171,000
266	Bay City.....	10,117,205	10,117,205	30,000	143,000	20,000	2,000	195,000
267	Big Rapids.....							47,000
268	Cadillac.....	650,000	2,111,111	5,500	25,000		1,000	37,500
269	Cheboygan *.....	1,300,000	1,300,000	1,400	11,000	1,275	450	14,125
270	Coldwater.....	2,458,000	3,686,000	12,000	59,000	5,000	4,000	80,000
271	Detroit *.....	152,299,140	152,299,140	388,500	998,500			1,387,000
272	East Saginaw.....	10,603,920	10,660,920	40,000	160,000	11,500	5,000	216,500
273	Escanaba.....	1,200,000	2,400,000	11,500	25,000	3,500	1,500	41,500

\* Statistics of 1887-88.



schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$159,592	\$662,357	0	\$6,105	0	\$828,054	0	0	\$828,054	211
2,400		\$3,400		\$2,100	7,900	0	\$100	8,000	212
3,656	0	7,312	766	0	11,734	\$2,859	0	14,593	213
71	19,000	44	25		19,040				214
0	24,000	0	155	1,235	25,390	0	0	25,390	215
	1,931,092		14,458	26,899	1,972,449			1,972,449	216
	50,412		109	40		0	1,856	52,417	217
	55,474								218
	249,722		119	914	250,755	0	0	250,755	219
	71,000		1,367			0			220
78	25,500	0	43	67	25,688	0	0	25,688	221
	27,783								222
35	16,539			366	16,940	0	0	16,940	223
									224
77	29,000		42		29,119	27,000	758	56,877	225
	184,076	0		2,861	186,937	0	0	186,937	226
	65,979	0	176	0	66,155	0	0	66,155	227
0	62,800	30			62,830				228
	64,000			551	64,551	0	0	64,551	229
	123,653				123,653			123,653	230
53	40,250	0	0	0	40,303	0	1,249	41,552	231
0	92,000	0	275	0		0	0		232
	230,782		524		231,306	25,000	0	256,306	233
0	174,723	0	135	0	174,858	0	0	174,858	234
0	93,716	0	0	0	93,716	0	0	93,716	235
45	18,000			744	18,789	0	0	18,789	236
164	35,000								237
48	(102,471)				102,519	0	0	102,519	238
48	22,207	383	9	28	22,675	0	0	22,675	239
0	133,553	988	544	3,000	138,085	0	1,270	139,355	240
									241
0	127,679	2,709			130,388	0	0	130,388	242
90	34,000	234	598		34,922	45,000		79,922	243
75	46,250	912	316	249	47,802			47,802	244
63	29,000			826	29,889	0		29,889	245
	85,026	0	476	0	85,502	0	157	85,659	246
83	24,800			35	24,913	0	888	25,806	247
	50,950			90	51,040	0		51,040	248
	(97,183)			925	98,108	0	0	98,108	249
	73,500		85	53,124	126,710		4,277		250
43	18,250	0	0	43	18,346	0	1,417	19,763	251
61	23,250								252
0	165,030	0	477	16	165,523	0	0	165,523	253
28	17,200	0	0	0	17,228				254
									255
0	49,675	0	290	0	49,965	0	0	49,965	256
					26,064	0	0	26,064	257
139	27,279	0	41	0	27,459	0	5,564	33,023	258
12,058	36,734	0	150	1,108	50,049	0		50,049	259
179	39,283	0	75	0	39,537	0	1,364	40,901	260
0	259,574	0	404	323	260,301	0	0	260,301	261
3,245	17,196		457	28	20,926	0	2,615	23,541	262
4,135	21,382			100	25,617	0		25,617	263
4,135	22,843	6,196	6,783	701	40,658	5,000	14,832	60,390	264
									265
10,663	(55,000)		60	191	65,914	0	13,075	78,989	266
									267
1,635	11,126	66		501	13,328	7,000	6,299	26,627	268
1,458	(3,700)		187	0	5,345		1,000	6,345	269
1,669	21,155	0	422	12	23,258	0	8,739	31,997	270
71,875	398,196	0	918	29,142	500,131	0	9,965	510,096	271
12,635	82,552	193	438	1,229	97,047	0	0	97,047	272
1,769	11,995			2,074	15,838	0	0	15,838	273

a Estimated.

b In 1887-88.



TABLE 18.—Statistics for 1888-89 of property and receipts of public

	City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
		Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
	1	2	3	4	5	6	7	8
MICHIGAN—continued.								
274	Flint*.....	\$4,570,511	\$5,000,000	.....	.....	.....	.....	\$165,000
275	Grand Haven.....	1,669,445	2,500,000	.....	.....	.....	.....	50,000
276	Grand Rapids.....	21,411,314	42,822,628	.....	.....	.....	.....	680,000
277	Ironia.....	.....	.....	.....	.....	.....	.....	57,000
278	Ishpeming*.....	.....	.....	.....	.....	.....	.....	153,000
279	Jackson.....	.....	.....	\$50,000	\$100,000	\$3,000	\$2,000	205,000
280	Kalamazoo.....	7,004,730	10,507,095	40,000	110,000	10,000	45,000	100,000
281	Lansing*.....	.....	.....	.....	.....	.....	.....	120,000
282	Ludington.....	62,000,000	2,000,000	10,000	95,000	10,000	5,000	84,000
283	Manistee*.....	.....	.....	.....	.....	.....	.....	69,000
284	Marquette.....	3,250,300	3,250,300	25,000	40,000	3,000	1,000	104,500
285	Marshall.....	1,901,600	1,901,600	15,000	85,000	2,500	2,000	45,950
286	Menominee.....	2,400,000	4,000,000	9,000	31,500	4,650	800	36,000
287	Monroe*.....	.....	.....	3,000	30,000	1,000	2,000	27,800
288	Mount Clemens*.....	.....	.....	.....	.....	.....	.....	183,531
289	Muskegon.....	5,777,000	.....	(172,500)	.....	11,031	.....	44,100
290	Negaunee*.....	2,250,000	3,000,000	2,000	40,000	2,000	100	53,050
291	Niles.....	1,663,440	2,217,920	5,000	45,000	2,000	1,050	64,000
292	Owosso*.....	.....	.....	.....	.....	.....	.....	91,800
293	Pontiac.....	2,400,000	2,400,000	30,000	56,000	4,000	1,800	102,900
294	Port Huron.....	4,184,635	6,276,953	.....	.....	.....	.....	99,310
295	Saginaw.....	.....	.....	18,050	67,855	9,632	3,773	93,000
296	West Bay City.....	2,100,000	4,200,000	11,000	65,000	15,000	2,000	33,500
297	Wyandotte.....	1,500,000	4,500,000	4,000	23,500	2,500	3,500	43,000
298	Ypsilanti.....	.....	.....	5,000	42,000	1,000	.....	.....
MINNESOTA.								
299	Anoka.....	3,086,150	7,715,375	(45,000)	.....	2,500	1,000	52,700
300	Brainerd.....	1,700,000	2,236,667	8,000	41,000	2,900	800	54,580
301	Crookston.....	1,023,431	2,050,862	5,000	43,000	6,000	580	387,804
302	Duluth.....	22,000,000	66,000,000	147,400	214,127	20,463	5,814	74,300
303	Faribault.....	2,337,800	4,675,600	10,000	61,000	2,500	1,800	67,054
304	Mankato.....	2,700,000	5,400,000	(56,739)	.....	8,600	1,035	1,835,000
305	Minneapolis.....	126,000,000	210,000,000	(1,770,000)	.....	45,000	20,000	50,000
306	Red Wing*.....	1,765,000	3,200,000	10,000	50,000	3,000	2,400	187,300
307	Rochester*.....	.....	.....	.....	.....	.....	.....	268,000
308	St. Cloud.....	2,900,000	11,600,000	15,000	35,000	3,000	1,000	.....
309	St. Paul.....	.....	.....	(1,815,000)	.....	.....	.....	.....
310	Stillwater.....	5,250,000	10,500,000	27,800	150,000	5,000	4,500	.....
311	Winona.....	6,638,680	6,638,680	50,000	200,000	15,000	3,000	.....
MISSISSIPPI.								
312	Columbus.....	1,800,000	2,180,000	.....	.....	.....	.....	20,000
313	Jackson.....	.....	.....	7,000	28,000	3,000	600	33,600
314	Meridian.....	4,500,000	4,500,000	14,000	35,000	4,500	8,000	61,500
315	Natchez.....	3,000,000	4,500,000	20,000	20,000	1,000	.....	41,000
316	Vicksburg.....	4,500,000	4,500,000	2,500	28,000	2,000	500	33,000
MISSOURI.								
317	Boonville.....	1,000,000	2,150,000	.....	.....	.....	.....	30,000
318	Brookfield.....	6625,000	21,000,000	2,500	22,000	3,200	.....	27,700
319	Butler.....	838,505	2,096,262	3,000	25,000	3,000	500	31,500
320	Cape Girardeau.....	725,655	2,100,000	.....	.....	.....	.....	25,000
321	Carrollton.....	1,500,000	3,000,000	12,000	49,500	3,000	500	65,000
322	Carthage*.....	1,742,497	2,500,000	18,250	37,000	2,500	3,250	61,000
323	Chillicothe*.....	1,100,000	2,500,000	3,000	31,000	1,500	2,500	38,000
324	Clinton*.....	1,113,430	3,340,290	4,000	41,000	5,000	500	50,500
325	Columbia*.....	1,147,705	3,443,115	3,500	16,000	1,500	500	21,500
326	De Soto*.....	525,000	550,000	2,000	22,400	1,000	200	28,600
327	Hannibal.....	3,065,265	4,597,898	5,000	75,000	.....	2,600	82,000
328	Independence.....	2,302,460	4,604,920	21,400	38,000	2,000	1,000	62,400
329	Jefferson City*.....	1,312,789	2,500,000	.....	.....	.....	.....	40,000
330	Joplin.....	778,585	778,585	.....	.....	.....	.....	30,000
331	Kansas City.....	54,907,000	137,207,500	640,400	520,945	32,900	30,000	1,224,245
332	Lexington.....	1,255,060	2,390,000	8,000	12,000	2,000	1,000	23,000

\* Statistics of 1887-88.

a Estimated.

schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$9,082	\$15,502	\$155	\$1,624	\$629	\$26,992	\$9,167	\$10,025	\$46,182	274
2,561	11,650		22	16	14,249	0	169	14,418	275
20,327	168,640	18,199	1,693	25,184	234,043	46,441	9,715	290,199	276
									277
3,887	5,121	26,736	664		36,418	0	557	36,965	278
6,691	34,146	7,746	738	444	49,765	9,878	7,512	67,155	280
									281
2,923	29,809	518	192	410	33,857	(14,521)		48,378	282
									283
6,179	16,000		30	2	22,211	8,000	859	31,070	284
1,708	12,277	154	532	42	14,713	0	1,546	16,259	285
3,200	18,924			851	22,975	0	7,704	30,679	286
2,332	2,200		800	600		10,000	8,030		287
									288
9,438	66,332	101	205	16,767	92,943	0	2,398	95,341	289
4,731	13,000	0	0	35	17,766	30,000	4,798	52,564	290
1,677	11,677	223	211	26	13,814		945	14,759	291
									292
4,383	11,500		692	79	16,059	0	1,427	18,086	293
9,224	15,075	0	123	861	25,283	0	13,779	39,062	294
6,603	(42,301)		129	384	49,417	25,000	13,186	87,603	295
4,831	21,210	1,980	340	1,643	30,064	15,000	215	45,219	296
1,957	5,500		132	875	8,464	0	993	9,462	297
									298
		14,959	44	13	15,016	0	387	15,403	299
3,478	1,497	18,359		1,359	24,693	5,900	1,126	31,719	300
3,646	9,929	814		82	14,471	2,000	6,891	23,362	301
8,889	110,958	19,528	18	2,651	142,043	52,107	98,974	293,124	302
4,055	20,622		232		24,909	0	1,049	25,958	303
5,538	0	37,875	198	54	43,665	5,950	0	49,615	304
76,999	399,393	0	301	17,355	494,048	425,913	26,845	946,806	305
4,159	16,405	0	84	400	21,047	0	2,981	24,028	306
									307
2,677	17,366		314		20,357	0		20,357	308
	(422,564)			3,870	426,434	310,000	19,353	755,787	309
10,132	31,122	0	183	1,455	42,892	51,200	10,397	104,489	310
15,274	52,872	0	90		69,236	0	0	69,236	311
									312
					10,000				313
1,000	6,000		500	500	8,000	40,000	850	48,850	314
2,100	11,000				13,500			13,500	315
3,705	7,690	0	0	0	11,395	0	0	11,395	316
3,000	18,000	2,000	0	0	23,000	0	0	23,000	317
									318
1,813	6,007				7,820	0	0	7,820	319
1,634	(3,368)		0	20	5,022	0	2,948	7,970	320
2,443	7,191		6	171	9,811	0	1,513	11,324	321
2,657	5,747		16		8,420	0	1,017	9,437	322
61,104	611,106	61,590	6227	6379	614,405		63,182	617,588	323
4,645	12,280	816	233	152	18,131		3,236	21,367	324
4,462	11,188		160	7	15,817				325
2,062		12,525	61		14,648		3,623	18,271	326
3,328	(6,893)		164		9,385		1,952	11,337	327
997	4,206	287	6	498	5,994		2,353	8,347	328
6,019	(23,893)		132	793	30,837	0	0	30,837	329
2,564	20,844	149	72	140	23,760	0	2,139	25,908	330
2,794	11,044		100				6,808		331
3,679	7,156	265	126		11,225		544	11,770	332
49,298		249,330	283	2,526	301,437	205,507	7,457	514,401	333
3,933		5,323	15		9,271	0	766	10,037	334

b In 1887-88.

c Statistics of white schools only.

TABLE 18.—Statistics for 1888-89 of property and receipts of public

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
MISSOURI—cont'd.							
333 Louisiana .....	\$1,047,191	\$1,396,254	\$500	\$17,500	\$1,000	\$1,000	\$20,000
334 Marshall .....	1,358,221	1,358,221					45,000
335 Maryville .....	2,987,496	8,962,488	5,000	50,000	4,000	1,000	60,000
336 Mexico* .....	1,284,935	2,661,404	2,000	25,000	400	600	28,000
337 Moberly .....	1,245,000	3,735,000				2,000	59,700
338 Nevada .....	1,224,893	3,674,679	32,000	30,000	5,000	1,800	68,800
339 Rich Hill .....	650,000	1,950,000	2,500	17,000	1,300	75	20,875
340 St. Charles .....	1,913,115	2,869,673	20,000	(30,000)		3,000	57,000
341 St. Joseph .....	18,000,000	560,000,000	150,000	195,000	30,000	2,000	377,000
342 St. Louis .....	224,839,700	337,259,550	723,013	(2,654,027)			3,382,040
343 Sedalia* .....	3,350,000	10,000,000	35,000	75,000	10,000	1,000	121,000
344 Springfield .....	5,021,823	5,021,823	34,480	66,592	8,000	250	109,322
345 Trenton .....	1,049,332	1,748,886	4,500	45,000	2,000	300	51,800
346 Warrensburg* .....	900,000	61,350,000					15,000
347 Washington* .....	560,500	6840,000	400	10,000	300	200	10,900
MONTANA.							
348 Butte City .....	10,000,000	15,000,000	(77,000)		(7,500)		84,500
NEBRASKA.							
349 Beatrice .....	1,300,000	6,500,000		117,000	4,200	800	122,000
350 Fremont .....			30,000	50,000	5,000	1,000	86,000
351 Grand Island .....	1,122,000	5,610,000	50,800	73,900	2,430	1,200	128,330
352 Hastings .....	1,250,000	7,250,000	30,000	75,000	7,500	500	113,000
353 Kearney .....	1,349,498	4,048,494	60,000	55,000	5,000	300	120,300
354 Lincoln .....	5,600,000	33,600,000	200,000	215,000	18,000	3,500	433,500
355 Nebraska City .....	1,048,677	1,048,677	18,000	60,000	3,000	1,000	82,000
356 Omaha .....	20,726,000	62,178,000	600,000	500,000	37,500	16,000	1,153,500
357 Plattsmouth .....	1,643,050	65,000,000	3,000	50,000	3,000	2,000	58,000
NEVADA.							
358 Carson City .....	979,120	1,087,911	1,100	14,900	2,786	642	19,428
359 Eureka .....			2,000	15,000	2,000	300	19,300
360 Gold Hill .....	c572,000	c850,000	3,000	12,000	1,000	515	16,515
361 Virginia City .....	1,500,000	3,000,000	2,000	25,000	2,500	500	30,000
NEW HAMPSHIRE.							
362 Concord .....							
363 Dover* .....	8,130,130	8,130,130	4,000	135,000	2,000	1,000	142,000
364 Keene .....						1,400	94,000
365 Manchester .....	22,162,928	22,162,928					c350,000
366 Nashua .....	9,933,293	9,933,293	25,000	193,395	4,000	10,000	232,395
367 Portsmouth .....	6,944,097	6,944,097					37,800
368 Rochester .....	2,984,120	2,984,120	6,147	46,787	1,866	580	55,380
NEW JERSEY.							
369 Atlantic City .....			40,000	50,000	7,000	1,500	98,500
370 Bayonne .....	8,500,000	17,000,000	22,000	128,000	7,000	300	157,300
371 Bordentown* .....							15,500
372 Bridgeton* .....							3,000
373 Burlington* .....							36,000
374 Camden .....	18,000,000	24,000,000	75,000	300,000	15,000	3,000	393,000
375 Elizabeth .....	13,337,450	13,337,450	(180,000)		11,000	2,000	193,000
376 Gloucester City .....	1,900,000	3,800,000	12,000	18,000	2,000		32,000
377 Hackensack .....	1,550,000	4,650,000					64,000
378 Harrison .....							15,000
379 Hoboken .....							c137,500
380 Jersey City .....	72,500,000	72,500,000	(628,000)		23,700	14,000	665,700
381 Lambertville* .....	1,800,000	2,250,000	3,000	17,000		2,000	22,000
382 Long Branch .....			10,000	120,000	3,000	1,500	134,500
383 Millville* .....	2,960,000	3,946,666	7,500	40,000	12,000	500	60,000
384 Montclair .....	2,560,250	5,760,563	14,000	65,000	4,000	5,000	88,000
385 Morristown* .....	5,000,000	10,000,000	8,000	59,700	2,000	300	70,000
386 Mount Holly .....	2,000,000	3,000,000	(15,000)		3,200	2,300	20,500

\* Statistics of 1887-88.

a Receipts from county taxes are included in column 9.



schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.	15	16	17	
9	10	11	12	13	14	15	16	17	
\$1,842	\$3,025	\$800	\$14	.....	\$5,681	0	0	\$5,681	333
2,564	12,987	699	883	.....	17,133	0	\$6,615	23,748	334
2,121	10,018	340	212	\$103	12,797	0	6,000	18,797	335
1,847	.....	8,071	361	.....	10,279	.....	1,075	11,354	336
4,155	1,549	10,147	403	103	16,357	0	1,544	.....	337
3,597	12,015	11	252	0	15,875	0	3,055	18,930	338
3,084	.....	6,833	.....	.....	9,917	\$7,000	4,449	21,365	339
a2,760	1,889	(a)	85	1,024	5,758	1,312	949	8,019	340
a25,690	68,987	(a)	18,880	113,557	100,000	0	0	213,557	341
98,102	878,361	23,571	608	84,805	1,085,447	0	147,785	1,233,232	342
3,353	.....	25,061	290	.....	28,704	.....	861	29,565	343
5,169	.....	22,573	500	.....	28,042	0	6,799	35,041	344
.....	.....	.....	.....	.....	16,049	.....	1,386	.....	345
2,414	5,610	.....	.....	.....	.....	.....	2,080	.....	346
2,068	1,965	723	130	.....	4,886	.....	169	5,055	347
.....	.....	39,125	.....	8,054	47,179	.....	9,222	.....	348
(19,869)	.....	5,321	140	84	25,414	22,265	4,789	52,468	349
2,409	11,000	0	167	8,000	21,576	.....	0	.....	350
2,829	11,118	13,871	63	0	27,881	0	9,512	37,393	351
3,090	8,910	16,008	48	0	28,056	0	8,581	36,637	352
2,477	17,359	.....	.....	4,000	23,836	10,050	9,560	43,446	353
11,693	37,333	3,762	29	235	.....	.....	35,852	134,967	354
5,132	12,600	.....	.....	15	17,747	20,545	16,540	54,832	355
26,845	(312,672)	.....	276	949	340,742	0	187,767	528,509	356
2,562	8,894	172	35	198	11,861	0	7,305	19,167	357
3,991	.....	6,248	15	.....	10,254	0	0	10,254	358
.....	.....	.....	.....	.....	.....	.....	.....	.....	359
4,765	.....	6,129	.....	.....	10,894	.....	.....	.....	360
9,500	.....	20,500	.....	.....	30,000	0	0	30,000	361
17,688	10,612	0	654	6,176	35,130	0	974	36,104	362
1,286	27,087	0	163	24	28,560	0	27	28,587	363
12,579	4,575	.....	60	1,266	18,480	0	0	18,480	364
.....	60,360	.....	.....	.....	.....	.....	.....	.....	365
1,754	35,850	1,220	161	.....	38,985	0	68	39,053	366
1,267	23,500	421	213	0	25,401	.....	0	.....	367
650	7,500	5,433	248	31	13,862	0	2	13,864	368
9,491	15,723	.....	.....	.....	.....	16,000	3,652	.....	369
17,913	24,800	.....	.....	58	42,711	.....	40,825	83,536	370
8,565	1,600	.....	.....	.....	10,165	0	.....	10,165	371
10,915	9,000	.....	.....	.....	19,915	0	.....	19,915	372
9,943	600	.....	.....	.....	10,543	0	.....	10,543	373
56,554	90,000	0	0	13	146,567	26,641	37,358	210,566	374
48,809	16,000	.....	.....	35	64,844	20,000	8,968	93,812	375
6,500	2,235	.....	.....	.....	8,735	.....	.....	.....	376
6,236	10,900	.....	1,500	.....	.....	.....	1,737	.....	377
10,000	2,300	.....	.....	.....	12,300	0	0	12,300	378
54,985	36,000	2,168	.....	100	93,253	.....	.....	93,253	379
236,184	43,000	0	0	0	279,184	0	0	279,184	380
5,260	1,200	365	.....	138	6,963	.....	306	7,269	381
17,276	3,500	802	500	416	22,494	0	570	.....	382
8,908	17,091	.....	.....	104	26,103	.....	.....	26,103	383
8,158	23,770	.....	439	1,016	33,383	3,500	1,435	38,318	384
8,781	11,500	.....	473	488	19,242	.....	4,826	24,068	385
6,262	3,000	331	.....	.....	9,593	.....	140	.....	386

b Estimated.

c In 1887-88.

TABLE 18.—Statistics for 1888-89 of property and receipts of public

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
NEW JERSEY—continued.							
387 New Brunswick..	\$6,006,195	\$15,015,483					\$138,000
388 Newark .....	100,415,000	125,518,750	\$334,000		(\$985,975)		1,319,975
389 Orange .....	5,709,200	11,418,500				\$3,000	130,000
390 Passaic .....	3,875,633	3,875,633	19,200	\$65,500	6,300	600	91,600
391 Paterson .....	25,000,000	37,500,000	37,652		(333,788)	3,000	374,440
392 Perth Amboy *							35,000
393 Phillipsburgh ..	2,700,000	2,700,000	10,500	25,700	3,500	1,300	41,000
394 Plainfield .....	5,750,000	10,454,545	15,000	137,000	10,000	3,000	165,000
395 Rahway .....							25,000
396 Salem .....	3,365,332	5,047,908	9,600	21,500	1,980	595	33,675
397 Trenton .....	25,000,000	37,500,000					280,000
398 Woodbury *						900	25,800
- NEW YORK.							
399 Albany .....	67,713,455	67,713,455	175,000	656,000	20,000	7,000	858,000
400 Albion .....	2,046,665	2,046,665	11,500	33,000	1,500	2,487	48,487
401 Amsterdam .....			43,000	42,000	6,000	1,300	92,300
402 Auburn .....	11,171,793	16,757,690	75,000	180,000	14,000	3,500	272,500
403 Batavia .....	3,300,000	6,600,000	10,500	134,500	6,357	10,000	161,357
404 Binghamton .....	15,976,730	15,976,730	56,831	194,687	12,544	9,995	274,057
405 Brockport .....	1,694,147	2,541,221	6,000		(6,500)		12,500
406 Brooklyn .....	407,454,028	582,077,183	970,923	4,185,542		35,000	5,191,465
407 Buffalo .....	119,876,145	119,876,145	259,450		(1,169,260)	34,023	1,562,733
408 Canandaigua .....	4,193,895	4,193,895	15,000	50,000	3,200	1,965	70,165
409 Catskill .....	2,839,270	2,831,270	3,600	30,000	2,000	1,000	36,000
410 Cohoes .....	11,000,000	11,000,000	41,000	70,000	(3,025)		114,025
411 College Point .....	875,000	2,625,000	5,000	14,000	2,000	500	21,500
412 Cortland .....	1,851,147	62,700,000	7,000	15,000			22,000
413 Dansville .....	1,250,000	1,250,000	1,600	26,000	1,400	2,053	31,053
414 Dunkirk .....	62,000,000	63,000,000	30,000	84,000	5,000	3,000	122,000
415 Elmira .....	12,982,319	12,982,319	80,000	255,000	20,000	3,500	358,500
416 Flushing .....	2,118,967	5,297,418	14,250	58,000	6,000	2,750	81,000
417 Fulton .....	2,250,000	3,000,000	4,600	60,000	1,000	3,000	68,000
418 Geneva .....	4,273,053	5,698,204	6,000	40,000	600	2,518	49,118
419 Gloversville .....							1,295
420 Green Island .....	1,792,790	1,792,790	7,000	25,000	4,500	1,500	38,000
421 Haverstraw .....	1,235,956	1,235,956	4,000	23,000			71,000
422 Hoosick Falls *	2,540,727	3,000,000	7,984	47,000	7,500	1,500	63,984
423 Hornellsville .....	4,799,290	7,198,935	15,000				58,000
424 Hudson .....	5,683,995	5,683,995	12,000	33,000	3,700	3,538	52,288
425 Ilion *	1,125,240	1,125,240	5,000	18,000	3,000	4,000	20,000
426 Ithaca .....	2,930,077	7,325,193	40,000	95,000	5,000	2,500	142,500
427 Jamaica *							
428 Jamestown .....	3,651,962	65,500,000	46,850	98,100	2,575	4,755	152,280
429 Johnstown .....	2,337,273	5,843,132	16,000	50,000	5,000		71,000
430 Kingston .....	6,146,048	6,146,048	51,000	126,000	7,000	3,600	187,600
431 Lansingburgh .....	5,600,000	5,600,000	10,000	60,000	3,000	2,000	75,000
432 Little Falls .....	1,274,525	1,274,525	50,000	50,000	2,000	4,500	106,500
433 Lockport .....	6,173,717	9,260,576	45,000		(89,000)	3,500	137,500
434 Long Island City *	9,143,343	27,000,000	12,000	70,000	3,000	2,000	87,000
435 Lyons .....	1,608,246	2,412,369	4,000	11,000	400	2,400	17,800
436 Malone .....	1,993,641	3,322,735	14,000	48,000	2,000	4,522	68,522
437 Matteawan .....	914,728	61,400,000	2,000	15,000	2,500		19,500
438 Medina .....	2,075,679	3,113,519	7,000	24,000	4,000	1,798	36,798
439 Middleton .....	2,748,040	8,244,120	22,000	56,500	7,000	5,850	91,350
440 Mount Vernon .....	2,835,000	5,670,000					127,500
441 New Brighton .....	3,429,161	13,716,644	13,200	70,000			83,200
442 New Rochelle .....	1,000,000	64,000,000					85,000
443 New York .....	1,331,578,291	1,331,578,291	5,043,200	8,597,500	593,775	324,290	14,538,765
444 Newburgh .....	9,328,170	31,093,900	30,000	200,000	10,000	25,500	265,500
445 Norwich .....							60,000
446 Ogdensburg .....	1,763,035	1,652,082	(96,888)				
447 Olean .....	1,008,223	63,000,000	19,000	70,000		2,600	
448 Oswego .....	9,379,844	9,379,844	27,140	136,090	7,000	7,493	177,723
449 Owego *							
450 Peekskill .....	2,339,407	3,899,011	13,000	48,000	2,000	1,300	64,300

\* Statistics of 1887-88.

a Estimated.

b In 1887-88.

schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.			
9	10	11	12	13	14	15	16	17
\$21,206	\$15,273		\$762	\$3	\$37,244	0	\$1,905	\$39,149
294,376	134,200		0	9,434	438,010	\$40,000	32,075	510,085
31,620	5,000		585	48	37,253	17,704	839	55,796
13,071	21,189				34,260	0	0	34,260
79,754	63,691			214	143,659	0	4,561	148,220
6,970	2,575				9,545	0		9,545
15,141	6,217	0		115	21,587	0	686	22,273
687	33,099	\$13,006	1,212	104	48,108	35,000	489	83,597
8,724	6,500				15,224		1,707	16,931
8,476	5,804	0	799	588	15,667	0	7,643	23,310
78,668	36,125				114,818	0	25,144	139,932
6,863	6,500				13,363		251	398
52,223	220,170	0	1,220	33,788	307,401	0	81,504	388,905
4,801	6,500	0	1,316	12	12,629	0	0	12,629
15,439	59,809	0	906	166	76,319	0	10,217	86,536
5,414	16,705		552	4,010	26,681	0		26,681
13,908	52,920	0	1,570	145	68,543	0	4,105	72,648
1,106	1,208		51		2,550		384	2,934
331,891				33,321			857,451	2,858,749
98,935	532,906				631,841	254,078	239,097	1,125,016
3,300	11,759	0	812	1,026	16,897	0	84	16,981
3,097	5,195		90		8,382	0	1,200	9,582
12,005				524	12,529	7,000	26,720	46,258
2,815	5,040				7,855	0	1,655	9,510
2,873				800	3,678		6,737	10,410
1,964	5,747		554	622	8,887		2,331	11,218
6,837	20,000				26,837	0	4,020	30,858
15,530	53,584	0	1,032	78	70,224	0	4,131	74,355
4,216	15,892	0	1,520	1,448	23,076	0	0	23,076
3,100	16,000		1,200	670	20,970	0	1,133	22,103
4,060	8,579	0	768	467	13,854	0	5,965	19,819
			326					419
3,080	9,142		4		12,226		2,085	14,311
2,282	8,343			82	10,707	0	1,525	12,232
4,909	17,464		463	0	22,236	0	0	22,236
7,891	28,387	0	200		36,478	0	5,582	42,060
5,680	7,000		84	387	13,151	0	8,890	22,041
3,208	9,750	0	393	809	14,160	0	2,469	16,629
9,521	20,177		2,861	147	32,206	0	1,493	33,699
2,236	6,613		525	388	9,762		2,683	12,445
10,041	36,899	0	1,507	209	48,656	0	2,250	50,906
4,853			115	35,549	40,522	0	270	40,792
7,051	19,281		1,159	1,507	28,998	0	4,934	33,932
6,797	14,757	60	20	50	21,684	22,587	2,821	47,092
5,203		13,288	414	1,058	20,401	22,000	438	42,401
8,898	22,000	150	2,789	172	34,009	68,419	9,000	111,428
11,565	44,464	0	0	958	54,017	3,903	22,571	83,491
3,256	6,268		434	472	10,430	0	2,725	13,155
5,804	15,737	0	1,105	27	22,173	0	773	22,946
2,433	4,042				6,475	0	614	7,089
4,697	6,100	0	800	0	11,597	0	2,490	14,087
6,866	14,985	0	976	1,924	24,751	0	20,123	44,875
6,925	40,416			1,588	48,929	0	54,000	102,929
7,381	36,333			5,232	48,946	0	5,831	54,777
3,894	17,511		162	824	21,391	22,500	10,024	53,915
684,094	4,430,773				5,114,867			443
12,197	45,451		810	1,260	59,718	0	4,889	64,607
6,011	18,453			3,385	27,849	0	16,953	44,803
6,234	18,368		520	284	25,406	0	15,094	40,500
13,186	30,900	0	260	643	44,989	0	1,543	46,532
5,570	14,000	0	736	493	20,798		3,668	24,467
4,329	15,746		217	251	20,543	0	0	20,543

c Destroyed by fire February 1, 1889.

d These figures refer to the Kingston school district, which embraces only about one-half of the entire city.



TABLE 18.—Statistics for 1888-89 of property and receipts of public

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
NEW YORK—continued.							
451 Penn Yan.....	\$1,779,613	\$3,559,226	\$4,500	\$12,000	\$1,500	\$2,613	\$20,613
452 Plattsburgh.....	1,391,047	3,477,618	5,500	80,000	5,000	1,500	71,500
453 Port Chester.....	1,241,460	3,890,000	10,000	25,000	4,500	1,750	41,250
454 Port Jervis.....	1,372,361	3,817,083	21,500	51,500	4,000	5,800	82,850
455 Poughkeepsie.....	11,639,490	16,629,843	23,600	104,405	6,700	21,786	156,491
456 Rochester.....	88,197,775	88,197,775	140,000	550,000	50,000	22,000	762,000
457 Rome.....			(74,000)				
458 Saratoga Springs.....	4,101,000	6,000,000	36,000	65,000	2,500	3,000	105,500
459 Schenectady.....			(94,000)				
460 Seneca Falls*.....			9,000	35,000	2,200	2,040	48,240
461 Sing Sing.....	1,843,700	5,546,100	8,500	19,000	3,000	1,150	31,650
462 Syracuse.....	37,990,546	37,990,546	218,000	725,000	40,000	45,000	1,028,000
463 Tarrytown*.....	2,627,293	2,627,293					17,000
464 Tonawanda*.....	1,000,000	3,000,000	2,500	18,000	1,300	1,600	23,400
465 Troy*.....	47,847,230	47,847,230	80,000	359,000			
466 Utica*.....	18,119,325	25,000,000	93,121	231,753	26,632	28,339	279,845
467 Waterloo.....	2,019,916	2,885,594	3,250	25,500			28,750
468 Watertown.....	5,500,000	8,250,000	10,000	104,000	5,000	5,000	120,000
469 West Troy.....	3,721,094	3,721,094	9,000	23,000		2,240	34,240
470 Whitehall.....			5,000	13,000	2,000	1,680	21,680
471 Yonkers.....	21,860,371	21,860,371	39,625	173,200	10,000	9,500	232,325
NORTH CAROLINA.							
472 Asheville.....			8,500	20,000	4,000	700	33,200
473 Durham.....	3,146,949	4,185,732			500	250	750
474 Fayetteville.....	1,159,969		2,500	5,500	300	100	8,400
475 Goldsborough.....	1,817,000	3,028,333	3,000	7,000	2,000	500	12,500
476 Greensborough.....	1,500,000	2,250,000	3,500	14,500	600		18,600
477 New Berne.....	1,200,000	1,800,000	2,500	3,500	500		6,500
478 Raleigh.....	5,379,000		(55,000)		2,800	10	57,810
479 Reidsville*.....	1,250,000	2,000,000	1,200	1,500	500	25	3,225
480 Winston*.....			(35,000)		3,500	4,000	42,500
OHIO.							
481 Akron.....	10,467,618	15,701,427	140,000	270,000	85,000	15,000	510,000
482 Alliance.....	1,885,160	5,655,480	15,000	85,000	5,500	1,500	107,000
483 Ashtabula.....	1,500,000	4,500,000	13,000	47,000	1,500	750	62,250
484 Bellaire*.....	2,948,966	4,500,000					
485 Bellefontaine.....	2,000,000	3,000,000					50,000
486 Bucyrus.....	2,567,890	4,279,815	16,000	80,000	3,000	1,100	100,100
487 Canton.....		15,000,000					
488 Chillicothe.....	5,698,666	5,698,666	(130,000)		(20,000)		150,000
489 Cincinnati.....	175,000,000	175,000,000	2,000,000	1,000,000	50,000	2,000	3,052,000
490 Circleville.....	3,788,418	6,304,030	25,000	80,000	5,000	2,000	112,000
491 Cleveland.....	97,000,000	161,666,667	850,000	2,100,000	225,000	60,000	3,235,000
492 Columbus.....	40,000,000	80,000,000	317,000	786,550	38,250	30,000	1,171,900
493 Dayton.....	28,000,000	40,000,000	300,000	400,000			700,000
494 Defiance.....	1,915,527	4,256,726	25,000	50,000	6,000	1,500	82,500
495 Delaware*.....							123,800
496 Delphos*.....	1,100,000	1,650,000	3,500	30,000	2,000	1,000	36,500
497 East Liverpool.....							60,000
498 Elyria.....	2,604,979	2,604,979					82,500
499 Findlay*.....	2,000,000	4,000,000	18,000	75,000	8,000	500	101,500
500 Fostoria*.....	1,750,000	5,150,000	18,000	40,000	5,000	1,500	64,500
501 Fremont.....	2,500,000	3,750,000	15,000	40,000	4,000	1,000	60,000
502 Galion.....	2,178,050	2,178,050	10,000	80,000	10,000	5,000	105,000
503 Gallipolis.....	2,142,000	2,142,000	(40,000)		(2,000)		42,000
504 Greenville.....							
505 Hamilton.....	6,218,137	9,327,206	30,000	70,000	3,000	1,000	104,000
506 Ironton.....	63,373,476	65,400,000		130,000			160,000
507 Kenton*.....							61,000
508 Lancaster.....	2,800,000		20,000	80,000	5,000	2,000	107,000
509 Lima.....	3,798,051	7,596,162	(156,000)		5,000	500	161,500
510 Mansfield*.....							220,000
511 Marietta*.....	2,438,000	3,500,000	5,000	33,000	2,500	1,000	42,100
512 Marion*.....							65,000
513 Martin's Ferry.....							640,000
514 Massillon*.....	3,022,870	4,000,000					120,000

\* Statistics of 1887-88.

a Estimated.

## CITY COMMON SCHOOL STATISTICS.

877

*schools of cities and villages containing over 4,000 inhabitants—Continued.*

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.			
9	10	11	12	13	14	15	16	17
\$2,926		\$5,490	\$1,186	\$913	\$10,515	0	\$7	\$10,522
7,466	\$12,819		1,336	27	21,648	\$2,080	1,835	23,564
2,116	11,976		372	73	14,537	5,000	368	19,905
8,452	17,208	0	396	360	24,416	9,251	11,918	47,588
15,010	33,950			1,402	48,362	0	19,178	67,540
55,997	255,000		1,783	5,909	318,689	0	15,329	334,018
6,085	15,982			1,893	21,860	0	1,972	26,832
9,218	39,575	0	448	1,070	50,311	0	30,486	80,797
8,856	19,576				28,432		0	28,432
5,881	(10,148)		361	881	17,272	0	19,352	36,624
4,748	21,556		262	23,501	50,067	0	26,754	76,821
46,762	185,287		1,293		233,342	0	137,230	370,572
					7,771		1,408	
2,356	3,000	0	0	21	5,377	0	1,788	7,165
32,936	91,889			2,859	127,684	0	63,412	193,093
23,093	67,000	0	1,287	1,308	92,688	0	7,651	100,339
3,101		8,093	686	384	12,264	0	980	13,244
9,359	30,000	98	507	325	40,289	0	0	40,289
6,401	10,535		36		16,972	0	874	17,846
2,922	6,725		44	319	10,010	0	479	10,489
11,271	69,146		110	303	80,836	34,860	6,268	121,964
2,200	12,500		150	2,500	17,350	800	0	18,150
2,452	6,291		300					
(2,445)			200	1,600	4,245	0	0	4,245
	5,906	2,322			8,228	0	0	8,228
	2,400	1,363	50	250	4,013	0	0	4,013
4,548	(7,106)		39		11,693	0	1,079	12,772
0	1,566	1,575	105	1,012	4,258	850	32	5,140
					14,500			
11,946	94,044	646	783	12	107,431	0	42,245	149,676
3,060	17,209		69	708	21,046		5,764	26,810
1,446	16,802	0	315	32	18,595	0	5,557	24,152
		9,093	6	10	19,110		12,164	31,274
1,747	10,557		113	164	12,581	0	7,186	19,767
2,672	10,213		164	295	13,344	0	5,702	19,046
6,352	30,054			1,250	37,656	0	12,571	50,227
116,974	735,800	1,343	(35,751)		899,863	0	80,340	970,208
8,542	16,939	0	362	397	21,240	0	17,713	38,953
95,807	563,264	5,293	595	2,765	667,724		0	667,724
40,150	223,339		842	1,013	265,349	88,349	57,683	411,381
23,972	159,475	2,205	1,422	16,000	233,074		43,219	276,293
3,357	11,031	147	252	1,052	15,839	0	9,165	25,004
2,630	7,698	0	164	0	10,492	0	6,451	16,943
4,850	13,861		79		21,103	20,020	0	41,128
(15,159)			625		15,784		1,265	
1,976	346	10,668	0	886	13,876	0	6,011	19,887
3,033	17,970	0	0	1,432	22,435	0	5,992	28,427
	14,769		88		14,857	0	1,905	16,762
2,940	14,272	433	17	97	17,759	0	0	17,759
8,979	43,152		263		52,394	0	17,327	69,721
5,347	21,151	481	457		27,436	16,257	22,800	66,437
2,902	16,542		(365)		19,835	0	8,739	28,578
5,437	32,811	0	146	294	38,688	0	22,863	61,551
1,400	4,665	6,941	53	21	13,080	0	7,563	20,643
							</	

b In 1887-88.



TABLE 18.—Statistics for 1888-89 of property and receipts of public

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
OHIO—continued.							
515 Middletown.....	\$3,609,674	\$10,829,022	\$26,000	\$84,000	\$3,600	\$1,200	\$114,800
516 Mount Vernon*...	2,500,000	5,000,000	6,000	74,000	2,000	1,000	83,000
517 Nelsonville*.....	750,000	2,000,000	21,000	39,000	2,000	400	62,400
518 Newark.....			22,000	122,000			155,000
519 Norwalk.....	a2,684,295	a5,368,590	23,000	74,000	3,500	400	100,900
520 Painesville.....	2,400,000	3,600,000					78,790
521 Piqua.....	3,400,000	5,100,000	15,000	100,000	3,300	1,000	119,300
522 Pomeroy.....	1,448,648	1,448,648	16,520	46,400			
523 Portsmouth.....	4,376,885	4,376,885					180,000
524 Salem*.....		b12,500,000					50,000
525 Sandusky.....	6,302,867	14,006,260	(225,000)		5,000	1,000	231,000
526 Sidney.....	2,236,560	4,478,120					54,000
527 Springfield*.....	16,000,000	b20,000,000					275,000
528 Steubenville.....	5,245,990	5,245,990	25,000	105,000	15,000	6,000	151,000
529 Tiffin.....	3,258,000	6,516,000					125,000
530 Toledo.....	31,500,000	b55,000,000	(745,000)		(25,000)		770,000
531 Troy.....	2,200,000	4,400,000	21,000	80,000	1,800	3,200	106,000
532 Urbana*.....	3,618,867	6,031,450	12,000	80,000	3,500	1,500	97,000
533 Van Wert.....	1,420,000	b2,000,000	10,000	50,000	3,000		63,000
534 Warren*.....							107,000
535 Washington C. H.	2,000,000	b3,500,000	4,000	35,000	2,500	600	42,100
536 Wooster*.....							b130,000
537 Xenia*.....	4,000,000	4,000,000	18,000	63,000	(8,550)		89,550
538 Youngstown.....	6,400,000	16,000,000					250,000
539 Zanesville*.....							250,000
OREGON.							
540 Astoria.....	a3,000,000	a5,000,000	50,000	40,600	10,000	500	100,500
541 Portland.....	15,106,835	45,320,505	110,200	262,000	18,000	2,400	392,600
542 Salem.....	a1,673,859	a2,231,812	30,000	45,000	3,000	700	78,700
PENNSYLVANIA.							
543 Allegheny.....							1,259,115
544 Allentown.....	8,981,014	8,981,014					487,600
545 Altoona.....	11,500,000	11,500,000	63,000	210,000	10,500	500	284,000
546 Ashland.....	1,328,570	2,657,140	5,000	30,600	4,000	700	40,300
547 Beaver Falls.....	3,500,000	3,500,000					79,000
548 Bellefonte.....	1,052,241	2,104,482	18,000	29,600	2,000	400	50,000
549 Bethlehem*.....	2,700,000	b3,500,000					88,461
550 Bloomsburgh*.....							
551 Braddock*.....	1,724,045	2,176,356	6,000	45,000	2,000	1,000	54,000
552 Bradford.....	1,048,272	1,048,272	14,000	47,000	4,000	2,000	67,000
553 Bristol.....	2,108,465	3,162,608		35,000	1,200	300	36,500
554 Butler.....	1,701,164	3,402,328	14,000	65,000	5,000	500	84,500
555 Carbondale*.....	875,000	3,000,000	10,000	20,000	3,000	800	33,800
556 Carlisle.....	2,228,282	b3,300,000					40,000
557 Chambersburgh.....	2,000,000	3,000,000	3,000	50,000	5,000	500	58,500
558 Chester.....	8,600,000	12,900,000					175,000
559 Columbia.....	2,634,445	3,951,668			5,000	3,800	45,000
560 Connellsville.....	12,000,000	24,000,000	4,800	20,000	3,000	250	28,050
561 Conshohocken.....	2,525,992	2,525,992					35,000
562 Cory.....	1,340,000	1,340,000	3,500	48,500	3,500	500	56,000
563 Danville.....							73,000
564 Du Bois.....	472,125	472,125					20,500
565 Dunmore.....	973,335	2,920,005					40,400
566 Easton*.....		b15,000,000	(a227,700)		a9,600	a3,000	a240,300
567 Erie.....	14,000,000	14,000,000					356,700
568 Franklin*.....							
569 Greenville.....	b1,000,000	b1,500,000				900	
570 Harrisburg.....	6,022,799	18,068,397	(366,394)		19,771	2,200	388,365
571 Hazleton.....	1,229,000	4,916,000	15,000	45,000	4,500	500	65,000
572 Honesdale.....	667,000	2,001,000	10,000	24,000	3,000	1,000	36,000
573 Huntingdon.....			10,000	50,000	5,000	1,000	66,000
574 Johnstown*.....							120,000
575 Lancaster.....	13,500,000	13,500,000					247,000
576 Lebanon*.....	2,000,000	8,000,000	20,000	63,500	9,000	2,000	94,500
577 Lock Haven.....	b1,700,000	b8,500,000	10,000	50,000	5,200	600	65,800
578 McKeesport.....	5,000,000	10,000,000					146,000

\* Statistics of 1887-88.

a In 1887-88.



schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$3,286	\$17,365	0	\$341	\$517	\$21,569	0	\$13,455	\$34,964	515
2,221	(9,466)		0	7,155	18,842	0	1,688	20,530	516
6,339	32,055		624	39,018	45,986	\$10,000	12,221	61,239	517
3,624	21,715			3,695	29,035	0	9,779	38,814	518
1,831	11,939			679	14,449	0	21,707	36,156	519
4,650		\$21,415	482	103	26,650	15,525	0	42,175	520
2,654		(7,814)		29	10,497	0	2,425	12,922	521
6,449	21,989		(939)		29,374	0	11,093	40,467	522
								28,391	523
9,562	41,891	517	186	0	52,156	0	21,151	73,307	524
							3,342		525
13,701	77,037	308		189	91,234	10,185	16,872	118,292	526
6,792	39,281	553	345	121	47,092	0	22,041	69,133	527
4,396	20,558	39	157	367	25,517	0	12,652	38,169	528
21,718	160,965	1,029	507	597	184,816	41,197	62,060	288,073	529
1,888	22,683	262	190	2,012	27,035	6,900	4,923	38,858	530
2,957	21,844	0	145	0	24,946	11,227	7,465	43,638	531
			74						532
2,166		15,248	132	284	17,830	6,331	7,287	37,305	533
								31,448	534
								28,091	535
12,530	44,012		341				24,472		536
								77,662	537
									538
									539
11,164	10,895	2,239			24,298	0	6,840	31,138	540
8,988	53,858	57,210	1,259	1,100	122,415	10,000	6,534	138,949	541
3,779	3,315	8,006	106		16,931	0	235	17,166	542
							24,053		543
7,793	59,329	0	104	2,382	69,608	16,400	3,002	89,011	544
7,812	41,255		489	96	49,652	84,127	75	133,854	545
2,297	14,000	20	66	17	16,400	1,475	68	17,943	546
2,327			264		32,157	12,000	411	44,568	547
1,211	10,687		183		12,081	1,450	434	13,965	548
1,203	12,897	223	0	512	14,835	10,000	375	25,210	549
934	7,484			198	8,616			8,616	550
994	(12,250)		40		13,284		51	13,335	551
2,207	20,700		864	84	23,855	1,278	710	25,843	552
1,767	9,508	0	86		11,361	0	834	12,195	553
1,208	11,701	0	0	0	12,909	0	50	12,959	554
1,666	13,758	0	0	0	15,424	8,145	0	23,569	555
2,224	14,379	0	97	78	16,778	0	2,512	19,290	556
2,834	14,037	0	0	336	17,207	0	0	17,207	557
6,036	40,581	422	272	7,247	54,558	0	263	54,821	558
3,041	14,757		254	34	18,088	7,434			559
11,254		315	0	132	11,701	0	2,884	14,585	560
1,611			508	19,021	21,140	0		21,140	561
1,692	16,803		261		18,756	0	2,542	21,298	562
	2,593	14,657		289	17,539	0	739	18,278	563
1,171	8,710	17	0	0	9,899	0		9,899	564
1,815	12,600	1,080	0	0	15,495	0	1,169	16,664	565
3,141	41,340							52,304	566
8,529	85,983		64	242	94,818	0	2,059	96,877	567
1,132	16,323							19,304	568
1,261	8,176	0	769	36	10,242	1,000	0	11,242	569
9,177	78,562		22	10	87,771	7,915	14,845	110,531	570
2,595	18,141	0	0	314	21,053	0	3,016	24,069	571
									572
1,700	11,500		25		13,225	0		13,225	573
2,147	17,000				19,147		1,813	20,960	574
9,795	54,157	1,861	260	16	66,089	0	0	66,089	575
2,306	21,673	0	38	12	24,089	0	3,113	27,202	576
1,600	10,400		300		12,300		0		577
3,229	30,378			502	34,109	0	3,422	37,531	578

b Estimated.

TABLE 18.—*Statistics for 1888-89 of property and receipts of public*

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
PENNSYLVANIA—continued.							
579 Mahanoy City .....	\$1,495,110	\$2,242,665	\$15,200	\$40,300	\$4,000	\$500	\$60,000
580 Mauch Chunk* .....							
581 Meadville .....	2,000,000	4,000,000					130,000
582 Mechanicsburgh .....	1,370,582	2,053,873	2,300	8,900	1,300		12,500
583 Middletown .....							
584 Monongahela* .....	906,801	a1,300,000	(45,000)		5,000	250	50,250
585 Nanticoke .....	6910,000	a1,000,000	9,000	41,000	5,000	350	55,350
586 New Brighton* .....			5,000	20,000	3,000	1,000	29,000
587 New Castle .....	4,250,000	6,375,000	15,000	65,000	9,000	1,000	90,000
588 Norristown .....	7,500,000	9,375,000	35,000	135,000	10,000	2,500	182,500
589 Oil City* .....		a6,500,000	610,000	660,000	66,000	64,500	650,500
590 Philadelphia .....	647,213,039	647,213,039	1,923,074	5,083,887	378,310		7,390,271
591 Phoenixville .....	3,002,243	4,503,370	10,000	35,000	4,000	1,000	50,000
592 Pittsburgh* .....	150,000,000	250,000,000					2,000,000
593 Pittsboro .....	719,613	2,878,452					65,100
594 Plymouth .....	650,000	4,550,000	10,000	30,000	2,500	200	42,700
595 Pottstown .....	4,626,662	9,253,324				2,600	116,090
596 Pottsville .....	3,924,036	11,772,108	50,000	160,000	8,000	2,000	220,000
597 Reading .....	22,500,000	33,750,000	131,000	(527,100)		10,000	668,100
598 Renovo .....							
599 St. Clair* .....							
600 Scranton .....	17,000,000	51,000,000					420,000
601 Shamokin* .....							
602 Sharon* .....							
603 Shenandoah .....	1,817,551	5,452,654	17,000	66,000	4,500	2,500	90,000
604 South Bethlehem* .....	3,470,000	5,000,000	11,000	45,000	4,400	1,000	61,400
605 South Easton .....	1,876,000	3,752,000	5,000	35,000	3,500	400	43,900
606 Steelton .....	3,703,455	3,703,455	7,600	26,400	1,954	1,150	37,104
607 Sunbury* .....							
608 Susquehanna .....	b160,000	a800,000	2,200	18,500	4,200	100	25,000
609 Tamaqua .....	1,199,685	2,399,370	7,500	36,000	3,000	100	46,600
610 Titusville .....	1,765,000	2,373,333	(65,000)		3,000	2,000	70,000
611 Towanda* .....							
612 Uniontown .....	1,800,000	3,600,000				500	50,000
613 Warren .....	b1,493,628	b1,991,504	12,000	28,000	3,000	500	43,500
614 Washington .....	2,921,077	2,921,077		(42,000)		1,000	43,000
615 West Chester .....	5,387,635	5,387,635	30,000	75,000	10,000	5,000	120,000
616 Wilkes Barre .....	b4,000,000	a32,000,000					267,672
617 Williamsport .....	7,468,758	12,800,885	80,000	129,000	12,000	4,000	225,000
618 York .....	7,500,000	7,500,000					152,119
RHODE ISLAND.							
619 Bristol* .....	5,609,400	5,609,400					65,000
620 Central Falls .....	5,258,600	a6,000,000					100,500
621 Newport .....	31,063,000	31,063,000	37,791	102,300	21,845	1,000	162,936
622 Pawtucket .....	23,717,904	23,717,904					340,687
623 Providence .....	136,762,560	136,762,560					1,136,787
624 Woonsocket .....	b7,859,500	b12,000,000					6160,000
SOUTH CAROLINA.							
625 Charleston .....	21,512,202	a35,000,000	10,000	100,000	10,000	800	120,800
626 Columbia .....	b3,900,000	a6,000,000	13,000	17,500	2,983	650	31,043
627 Greenville* .....	2,000,000	5,000,000	(25,500)		750		26,250
628 Spartanburg C.H. ....	4,400,000	2,333,333	1,000	13,300	800		15,100
TENNESSEE.							
629 Chattanooga .....	b12,195,640	a20,000,000		(188,000)		10,500	198,500
630 Clarksville .....	3,393,564	4,524,752	6,000	26,300	2,244		31,544
631 Jackson .....			(10,500)		1,800	400	12,700
632 Knoxville .....	8,070,326	8,070,326	30,000	65,000	7,500	950	103,450
633 Memphis .....	27,000,000	a50,000,000		340,000			
634 Nashville .....			60,000	217,000	17,000		294,000
635 Union City .....	950,000	950,000	2,000	13,000	1,000	500	16,500

\* Statistics of 1887-88.

a Estimated.

b In 1887-88.

schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.			
9	10	11	12	13	14	15	16	17
\$3,721	\$15,863	0	\$29	\$65	\$19,683	0	\$15,591	\$35,274
874	10,522							579
3,271	28,189		708	7,450	39,619	30,000	837	13,375
1,418	4,681	0	81	0	6,180	0	1,651	70,456
756	6,359			934	8,049			7,881
819	10,202	0	227	14	11,262	1,000	0	8,049
2,940	17,192	\$277		134	20,543	1,089	933	12,262
934	10,373				11,307			22,565
3,024	23,000		600		26,624	0	86	536
5,063		34,481	1,486	2,551	43,581	21,878	185	26,710
1,746	30,005							65,644
	2,551,467							56,183
2,474	16,052		709		19,235	0	55	5.0
34,579	589,760	0	0	14,971	639,310	61,000	206,218	19,290
2,565	13,628	111	200	7	16,511	11,500	9,880	991
2,490	11,400	79	90	45	14,104	0	652	592
2,346	26,492		56	98	28,992	6,482	307	37,891
4,786	28,063		604	807	34,260	3,000	2,316	593
15,600	105,000			65	120,665	22,000	26,520	594
1,316	(4,202)			448	5,966	6,300		35,781
1,886	4,459				5,845	0		169,185
17,696	159,807		260	420	173,183		32,140	598
2,391	19,864							5,345
1,167	13,568							210,323
4,047	27,342		383	104	31,876	4,500	1,140	24,223
1,261	11,392	191	40	19	12,903	500	1,488	37,395
1,546	11,455		103	268	13,372	0	1,857	17,516
1,449	20,406			124	21,979	4,200	460	14,891
1,256	8,272				9,528		0	15,229
1,091	(4,741)				5,832	0	0	26,640
2,024	7,944	50	2	50	10,070	0	1,081	9,528
2,833	26,112			2,282	31,247	2,500	11,133	5,832
763	9,538							11,151
1,683	8,056		0	26	9,765	0	1,407	44,880
1,314			334	11,900	13,548	0	1,524	11,219
1,597	11,072		40	278	12,987	1,317	0	11,172
2,342	21,197	0	0	13	23,552	5,000	60	15,072
8,929	77,527	173	0	9,557	96,186	26,791	8,561	14,304
7,590	61,910	8	246	2,605	72,359		637	28,612
6,119	(35,213)		233	1,819	43,384	11,300	4,747	131,538
								617
3,096	8,875	0	80	1,743	13,794	0	0	59,431
	7,872	13,744	57	0	21,673	16,600	125	618
6,218	43,000	771	831	5,057	55,877	0	443	13,794
8,396	96,000	2,105	225	1,289	108,015	0	46,415	38,393
28,730	237,847		3,919	111,971	351,467	0	0	56,320
6,994	37,528	0	394	1,062	45,978	0	0	154,430
								381,467
	53,827	28,974			82,801	0		45,978
	1,878	2,488		850	5,216	18,000	0	82,801
1,200	2,500			100	3,800	12,000	375	625
								626
(d)	4,500	223,990	826		29,316	97	12,370	627
7,215	4,185	0	441	47	11,888	0	2,197	16,175
e6,071	7,033	(e)			13,104	2,000	0	23,216
7,331	15,000	7,331	2,267	0	31,929	0	49	627
e16,101	66,814	(e)	1,936		114,901	0	0	628
								629
e4,522	3,101	(e)	56		7,679	0	0	41,783
								14,085
								15,104
								31,978
								114,901
								634
								635

c The receipts are for the fourteen months ending July 1, 1889.

d Receipts from State taxes are included in column 11.

e Receipts from county taxes are included in column 9.



TABLE 18.—Statistics for 1888-89 of property and receipts of public

	City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
		Assessed value.	Cash value based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
	1	2	3	4	5	6	7	8
TEXAS.								
636	Austin.....	\$8,071,704	\$12,107,556	\$23,000	\$34,750	\$3,000	\$1,000	\$66,750
637	Brenham.....	2,000,000	2,666,667	5,000	14,500	1,300	860	21,660
638	Brownsville.....	1,000,000	1,500,000	0	0	1,375	200	1,575
639	Dallas.....	17,000,000	17,000,000	69,460	70,700	13,171	350	153,621
640	Dennison.....	62,307,266	64,614,582	2,500	105,000	3,000	325	110,825
641	El Paso.....	5,500,000	5,500,000	7,500	25,000	2,500	600	35,600
642	Fort Worth.....	8,515,670	14,192,788	18,000	52,020	3,780	1,200	75,000
643	Galveston.....	20,000,000	20,000,000	73,200	285,600	26,233	1,470	385,903
644	Houston.....	10,500,000	14,000,000	25,400	66,800	12,600	1,200	106,000
645	Marshall.....	2,046,930	2,000,000	(61,000)		(61,000)		62,000
646	Palestine.....	1,479,155	1,972,207	5,000	7,100	1,600	100	13,800
647	Paris.....	3,864,922	5,797,383	13,000	35,000	3,000		51,000
648	San Antonio *.....			(155,000)		(7,000)		162,000
649	Sherman.....	2,800,000	4,666,667	10,000	50,000	3,500		63,500
650	Waco.....	5,771,741	8,500,000	17,800	67,500	6,400	500	92,200
UTAH.								
651	Logan.....			4,600	5,300	1,544	165	11,609
652	Ogden City.....	7,000,000	7,000,000	12,000	38,678	5,372	800	56,850
653	Provo City *.....			2,935	32,145	1,732	419	37,231
654	Salt Lake City.....	17,373,017	28,955,028	50,000	60,000	8,000	2,900	120,900
VERMONT.								
655	Bennington *.....	390,097	390,097		(60,000)		1,200	61,200
656	Brattleborough.....	3,460,000	3,460,000	10,000	56,400	2,500	650	69,550
657	Burlington.....							
658	Rutland.....			20,000	50,000	3,000	1,000	74,000
659	St. Albans.....							
660	St. Johnsbury c.....							29,500
VIRGINIA.								
661	Alexandria.....	4,310,884	4,310,884	4,000	29,000	2,000		35,000
662	Danville.....							17,900
663	Fredericksburgh.....	1,540,810	1,540,810					11,584
664	Lynchburgh *.....	9,998,662		22,000	48,000	5,000	500	75,500
665	Manchester.....							30,000
666	Norfolk.....	14,893,660	22,340,490	25,750	50,500		600	76,850
667	Petersburgh.....	9,706,445	9,706,445					72,000
668	Portsmouth.....	4,000,000		5,000	45,000	2,250	200	52,450
669	Richmond.....	43,000,000	43,000,000	301,000	36,000	52,000	1,500	390,500
670	Roanoke.....							28,000
671	Staunton.....	2,526,820	2,526,820	5,000	22,000	2,100	100	29,200
672	Winchester *.....	2,411,685	2,611,685	2,000	12,000	1,500	500	16,000
WASHINGTON.								
673	Seattle.....							
674	Spokane Falls.....	4,250,000	6,375,000	66,000	14,000	2,200	300	82,500
675	Tacoma.....	8,352,023	20,880,070	170,000	70,000	6,000	500	246,500
676	Walla Walla.....	2,600,000	6,500,000	12,000	80,000	3,000	400	95,400
WEST VIRGINIA.								
677	Charleston.....	62,172,315	63,000,000	21,450	16,800	2,600	250	41,100
678	Grafton.....	848,186	1,272,279	3,000	12,000	2,000	300	17,300
679	Martinsburgh.....	1,707,472	2,276,629	4,000	30,000	3,100	200	37,300
680	Parkersburgh.....	4,467,375	66,700,000	39,350	61,800	7,500	350	109,000
681	Wheeling.....	17,394,007	26,091,011	71,000	185,000	22,000	3,000	281,000
WISCONSIN.								
682	Appleton.....	3,145,000	7,862,500	34,500	122,000	17,500	2,500	176,500
683	Baraboo.....	1,716,383	2,574,575	3,500	27,000		500	31,000
684	Beaver Dam *.....			15,000	30,000		910	45,910
685	Beloit.....	2,000,000	3,000,000	25,000	70,000	5,000	500	100,500
686	Berlin.....	1,002,635	1,503,952	10,000	42,000	1,000	1,800	54,800

\* Statistics of 1887-88.

a Estimated.

b In 1887-88.

schools of cities and villages containing over 4,000 inhabitants—Continued.

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88).	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$12,960	\$28,192	\$380	\$516	\$1,532	\$43,380	\$17,050	\$68	\$60,698	636
4,608	5,600	200	308	1,285	12,001	0		12,001	637
7,212	1,192				8,404	0	5,872	14,276	638
21,348	16,893	1,592			42,833	0	554	43,387	639
7,112	9,353		18	1,140	17,623	0	18,222	35,845	640
3,656	20,406	0	196	534	24,792	0	11,554	36,346	641
13,144	20,625	1,002	0	14	34,785	0	9,557	44,342	642
28,086	40,118	1,709	2	188	70,053	0	15,541	85,594	643
16,854	15,000	63		1,358	33,275	10,000	9,989	53,264	644
	(6,132)		291	285	6,708	0	164	6,872	645
63,903	63,209	6299	6414	60	67,825	60	61,783	69,608	646
10,586	9,120	284				0	500	20,584	647
42,975	11,536			500	55,011	0	343	55,354	648
6,200	9,223	465	382		16,270	0	951	17,221	649
9,716	19,590	0	178	253	29,742	0	0	29,742	650
2,654		164	1,864	2,300	6,982	0	40	7,022	651
4,673	3,127	7,817	3,709		19,326	0	144	19,470	652
2,244	6,062		1,671	20				10,195	653
18,600	30,000		9,650	1,000	59,250	1,200	10,000	70,450	654
1,899	9,278		659	10,330	22,166		1,375	23,541	655
3,253	13,283	0	440				815		656
	27,000		780	2,046	29,826	0	223	30,049	657
	24,861		382	205	25,448	8,784	1,448	35,680	658
	10,345		33	5,153	15,531				659
									660
6,651	9,500			168	6,319	5,000	3,428	24,748	661
4,239	11,516				15,755	0	0	15,755	662
2,382	1,500		1,063	39	4,989	0	2,003	6,992	663
8,792	26,498	0	1,151	35	36,476	0	91	36,567	664
3,426	3,961				7,387	0	166	7,553	665
10,197	13,726				623,285		440		666
10,061	14,221	0	854	0	24,666	0	250	24,916	667
4,549	8,439			280	13,268	0	0	13,268	668
30,792	131,661		2,205	1,075	165,733	0	0	165,733	669
1,875	3,711				5,586	0	26	5,612	670
2,855	6,155	0	854	0	9,844	0	703	10,547	671
2,803	3,000		318	11	6,131		45	6,177	672
	(49,370)			80	49,450	150,000	0	199,450	673
	27,408	9,162	50	51	36,671	0	0	36,671	674
28,877	25,056				53,933	0	0	53,933	675
		46,038			46,038				676
1,465	5,588				7,053	0	2,205	9,258	677
3,143	9,391	1,960	165		14,659	0	962	15,621	678
21,755			208				6,936	38,923	680
16,943	81,752		89	1,251	100,035	27,477	4,861	132,373	681
5,017	29,200	6,444	750	4,818	46,229	0	3,081	49,310	682
1,722	12,165	1,510	431	845	16,673	0	6,040	22,713	683
2,085	6,000	2,085		255	10,425		3,966	14,391	684
2,157	9,000	2,073	852	70	13,682	0	10,359	24,041	685
1,814	6,500	1,862	593	199	10,909	0	5,149	16,018	686

c Owing to a change in the school year this report covers the period between April 1, 1888, and June 30, 1889.

TABLE 18.—*Statistics for 1888-89 of property and receipts of public*

City.	Total taxable property in the city.		Estimated actual value of public property used for school purposes.				
	Assessed value.	Cash value, based on the assessment.	Grounds.	Buildings and fixtures.	Furniture.	Libraries and apparatus.	Total.
1	2	3	4	5	6	7	8
WISCONSIN—continued.							
687 Chippewa Falls..	a\$6,100,000	b\$20,000,000	\$15,900	\$38,100	\$4,534	\$300	\$59,334
688 Eau Claire .....	5,750,000	8,846,153	25,600	50,400	8,550	3,350	87,900
689 Fond du Lac .....	3,200,325	4,923,577	22,000	98,700	2,500	2,000	125,200
690 Fort Howard .....	a\$75,000	a1,600,000	11,000	19,500	2,000	1,000	33,500
691 Green Bay .....	1,995,000	2,660,000	5,000	60,000	3,500	700	69,200
692 Janesville .....	a5,000,000	b28,000,000	53,000	95,000	15,000	2,000	165,000
693 Kenosha .....	1,500,000	1,500,000	15,000	25,000	2,000	750	42,750
694 La Crosse .....	10,348,280	10,348,280	80,000	150,000	6,000	3,500	239,500
695 Madison .....	6,396,917	9,595,376	60,000	180,000	10,000	2,000	252,000
696 Marinette* .....			11,000	49,500		500	61,000
697 Menasha .....	923,044	1,318,634	3,000	9,000	2,500	1,200	15,700
698 Menomonie .....	1,817,293	2,725,940					33,300
699 Merrill .....	2,144,061	2,144,061	2,000	(20,000)		800	22,800
700 Milwaukee .....	96,548,480	96,548,480	262,000	916,900	64,517	20,428	1,263,845
701 Monroe .....	2,500,000	3,333,333	3,000	30,000	3,500	1,540	38,040
702 Neenah .....	1,552,770	2,587,950	3,000				50,000
703 Oconto .....	878,775	1,000,000	2,150	20,800	950	300	24,200
704 Oshkosh .....			50,000	100,000			6170,000
705 Portage .....	1,400,000	2,100,000	6,500	35,000	5,000	500	47,000
706 Racine .....	8,200,000	8,200,000	43,200	85,000	7,000	1,200	136,400
707 Sheboygan .....	3,609,210	3,609,210	13,000	67,000	3,300	700	84,000
708 Stevens Point .....			20,000	30,000		2,000	52,000
709 Watertown* .....	1,594,010	3,400,000	12,000	38,000	1,200	1,700	52,900
710 Waukesha .....	2,626,522	3,939,783	18,600	38,000	2,000	800	59,400
711 Wausau .....	2,500,000	3,750,000	3,000	30,000	3,500	500	37,000
712 White Water .....	2,126,000	2,126,000	7,000	20,000	3,500	1,500	32,000
WYOMING.							
713 Cheyenne .....	3,000,000	6,000,000	10,000	65,000	2,500	1,000	78,500

\* Statistics of 1887-88.

a In 1887-88.



*schools of cities and villages containing over 4,000 inhabitants—Continued.*

Receipts for the school year 1888-89.						Receipts from loans and bond sales.	Balance on hand from last school year (1887-88.)	Total sum available for use during the year.	
From State apportionment or taxes.	From city appropriations or taxes.	From county and other taxes.	From tuition fees.	From all other sources.	Total.				
9	10	11	12	13	14	15	16	17	
\$3,401	\$5,000	\$3,500	\$46	\$200	\$12,147	0	\$7,645	\$19,792	687
6,180	27,636	6,180	.....	517	40,513	0	16,076	56,589	688
6,925	13,000	6,925	528	255	27,633	0	5,146	32,779	689
2,075	4,353	1,973	20	199	8,620	0	1,657	10,277	690
3,607	10,600	3,581	109	355	18,202	0	729	18,931	691
5,657	15,000	5,657	149	6,097	32,560	\$12,000	6,612	51,172	692
2,838	5,600	2,450	272	0	10,560	0	3,726	14,286	693
10,954	40,000	10,471	134	297	61,857	0	27,803	89,660	694
5,906	20,192	5,900	767	768	33,533	0	8,280	41,813	695
3,518	15,251	2,459	.....	.....	21,228	0	1,152	22,380	696
2,088	4,500	1,889	.....	.....	8,477	0	2,712	11,189	697
2,241	14,000	2,202	139	0	18,582	0	11,497	30,079	698
1,994	6,060	1,620	.....	11,911	26,270	.....	4,744	.....	699
84,822	335,150	0	0	3,400	393,372	0	179,660	573,032	700
1,660	4,900	1,750	513	0	8,823	0	1,254	10,077	701
2,681	12,874	2,482	50	260	18,347	13,000	5,522	36,869	702
1,813	2,951	1,747	0	943	7,484	0	2,745	10,229	703
9,831	44,000	.....	12	479	54,322	0	24,520	78,842	704
2,288	4,984	2,288	139	205	9,904	0	1,531	11,435	705
.....	22,000	9,972	570	271	32,813	0	17,444	50,257	706
7,815	18,996	7,279	.....	3,613	37,703	0	12,999	50,702	707
3,693	11,248	7,892	.....	.....	22,832	0	2,999	25,831	708
5,124	3,188	4,416	0	537	13,265	0	13,527	26,792	709
1,440	11,616	1,892	483	75	15,506	.....	1,026	16,533	710
757	7,615	327	.....	6,946	15,645	0	4,771	20,416	711
1,647	7,000	1,900	78	.....	10,625	0	5,461	16,086	712
0	0	27,024	0	.....	.....	.....	.....	.....	713

6 Estimated.

TABLE 19.—Statistics of expenditures of public schools

		Expenditures for the school year 1888-89.							
		Permanent.				For tuition.			
City.		Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational ap- paratus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1		2	3	4	5	6	7	8	9
ALABAMA.									
1	Birmingham .....	\$56,744		\$477	\$1,000	\$58,221	\$2,400	\$23,663	\$26,063
2	Eufaula * .....	0	0	0	0	0	50	1,129	1,179
3	Huntsville.....			(142)			(2,688)		2,688
4	Lively * .....	1,100				1,100	0	1,000	1,000
5	Mobile * .....								
6	Montgomery * .....	2,000	\$130	150	75	2,355	2,000	17,600	19,600
7	Selma * .....	0	0	0	0		25	8,920	8,945
8	Tuskaloosa.....	18,635	486			19,121	1,500	4,000	5,500
ARIZONA.									
9	Tucson * .....				59		(8,732)		8,762
ARKANSAS.									
10	Fort Smith .....	21,092				21,092	(17,228)		17,228
11	Helena * .....	0	0	224	0	224	0	4,995	4,995
12	Little Rock.....						2,100	29,445	31,545
13	Pine Bluff * .....						1,350	9,000	10,350
14	Texarkana * .....	3,000	50	500	100	3,650	1,000	6,400	7,400
CALIFORNIA.									
15	Chico .....	550		300	50	900	1,350	8,775	10,125
16	Eureka .....	4,567	1,300	424	50	6,341	(12,885)		12,885
17	Los Angeles.....		(42,614)		754	43,398	4,500	119,538	124,038
18	Marysville.....				84	84	(7,695)		7,695
19	Oakland.....	6,100	11,792	1,126	1,673	20,691	3,821	148,799	152,620
20	Pasadena.....								
21	Riverside.....	75,000					0	9,000	9,000
22	Sacramento.....	0	0	368	0	368	5,250	60,171	65,421
23	San Francisco.....	43,467	3,363	5,345	289	52,464	7,000	c728,836	c735,836
24	San José.....	16,020		372	131	16,523	1,500	41,436	42,937
25	Santa Cruz.....	0	0	393	65	458	1,750	13,617	15,367
26	Santa Rosa.....		2,359		23	2,382	1,800	12,254	14,054
27	Vallejo .....	719	152		150	1,021	480	14,615	15,095
28	Woodland.....	2,433			2	2,435	(9,405)		9,405
COLORADO.									
29	Aspen .....		0	250			(8,190)		8,190
30	Colorado Springs.....	2,291				2,291	(19,457)		19,457
31	Denver (Dist. No.1) .....	211,183	3,098	7,673	755	222,709	(113,933)		113,933
32	Leadville.....				700	700	2,000	10,240	12,240
33	Pueblo (Dist. No.1).....						2,000	14,654	16,654
CONNECTICUT.									
34	Bridgeport .....			1,115	787	1,902	2,500	70,193	72,693
35	Bristol .....		61,658		6434	62,092	6450	614,730	615,180
36	Hartford.....	15,837	7,938		3,603	27,378	1,000	132,689	133,689
37	Meriden.....			399		399	(44,140)		44,140
38	Middletown.....		664		255	919	(13,570)		13,570
39	New Britain * .....						(21,680)		21,680
40	New Haven.....	63,637	8,987	2,020	2,289	76,933	3,000	188,878	191,878
41	New London.....	20,701		488	250	21,439	(20,348)		20,348
42	Norwich.....		1,659		867	2,526	(20,022)		20,022
43	Rockville.....						(12,135)		12,135
44	South Norwalk.....		4,059	273	591	4,923	(9,953)		9,953
45	Stamford.....								
46	Thompsonville.....						(5,036)		5,036
47	Willimantic.....		1,712		125	1,837	0	8,187	8,187

\* Statistics of 1887-88.

a Includes "repair s, fuel, and contingent expenses."

b In 1887-88.

c Includes expenditures for evening schools.

of cities and villages containing over 4,000 inhabitants.

## Expenditures for the school year 1888-89.

Incidental.							For evening schools.	Total expenditure.	Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.				
10	11	12	13	14	15	16	17	18	19	20
\$1,125	\$800	\$1,500	0	\$2,000	\$686	\$6,111	0	\$90,393	0	0
		0		40		426		3,256		0
10	25		\$21		15	71		2,171		
440	210					650		22,605		\$343
0	0	0	0		332	332		9,777	0	1,388
250	56				245	551		25,172	\$197	72
					a2,374	2,374		11,106		
				354	3,167	3,521	0	41,841	0	2,885
700	330	0	0		0	1,030		6,249	0	79
600	300					b9,236		44,197		
220	100	0	200		50	900		11,250		
						570		11,620		80
				25	40	1,335	0	12,360	0	1,894
720	50	500		313	373	1,331	0	20,757	0	37,674
560		285				24,439	\$350	192,225	0	38,995
						4,274	0	12,053	0	3,779
13,244	2,662	4,835		4,066	6,627	31,434	2,110	206,855	0	49,432
1,000	300	250	337	250			0		2,000	
5,950	1,814	2,177	0	1,392	3,605	14,938	675	81,402	0	
60,687	8,978	3,142		42,425	22,512	c137,244		926,044		222
4,551	1,076		0	1,296	4,975	11,898	1,077	72,434	0	34,291
770	375	237	0	800	325	2,057	0	17,882	0	10,336
790	250	500	0	1,000	1,161	3,701	0	20,137	0	6,210
1,320	247	314		540		2,421	0	18,537	0	6,873
						1,967		13,807		4,724
1,635	400	75	1,477	50	6,627	9,994	0		1,000	3,254
						15,975		37,723	290	10,196
8,917	6,029	837	6,773	5,238	10,797	38,591		373,233	10,000	30,865
2,200	1,100		12,400	500		16,200	0	29,140	10,000	0
						b17,234		57,703		6,390
4,593	4,038	59		7,203	3,561	19,454		94,049		0
b262	b1,225				b2,717	64,204		18,000		
	15,430				29,218	44,698	2,529	208,244		
4,752	3,373					17,264	470	62,273		
1,245	1,149	150	3,581	636	529	7,290		21,779	8,000	d3,325
	4,560				2,525			31,530		
17,143	8,420	1,724	9,458	(1,567)		48,812	2,697	319,819	0	e64,217
1,949	1,195	704		2,789	1,241	7,878		49,665		22,397
1,400	1,791	358	1,308	1,659	329	6,845				1,464
						6,808	0	18,943	0	0
806	719		1,077		258	2,859				1,073
								8,977		
(1,133)			322		916	2,471		12,495	1,000	145

d \$1,492 of this was transferred to the sinking fund.

e Orders for \$435 still outstanding.



TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
<b>DAKOTA.</b>								
48 Deadwood.....	\$20,000	.....	\$5	.....	\$20,005	\$100	\$5,250	\$5,350
49 Fargo *.....	3,500	\$700	150	\$60	4,410	1,800	14,960	16,760
50 Grand Forks.....	.....	856	(a)	.....	.....	(9,586)	.....	9,586
51 Sioux Falls *.....	2,500	.....	.....	.....	.....	1,338	10,198	11,536
52 Yankton.....	26,000	.....	.....	.....	.....	(6,500)	.....	6,500
<b>DELAWARE.</b>								
53 New Castle.....	0	320	0	517	837	(3,900)	.....	3,900
54 Wilmington.....	24,744	684	1,778	.....	27,206	2,000	71,800	73,800
<b>DISTRICT OF COLUMBIA.</b>								
55 Washington (white schools principally).....	220,000	(b)	4,045	(c)	.....	23,625	315,650	339,275
56 Washington (colored schools).....	106,674	(b)	1,527	(c)	.....	7,250	123,585	130,835
<b>FLORIDA.</b>								
57 Palatka d.....	.....	.....	.....	.....	.....	0	3,520	3,520
58 Pensacola.....	0	280	87	0	367	450	7,918	8,368
59 Tampa.....	.....	300	.....	.....	300	0	3,650	3,650
<b>GEORGIA.</b>								
60 Americus.....	.....	281	.....	.....	281	1,250	6,705	7,955
61 Athens.....	0	317	0	287	604	1,800	8,564	10,364
62 Atlanta.....	53,093	0	350	0	53,353	2,400	60,682	63,082
63 Augusta.....	12,000	.....	1,000	.....	13,000	1,800	35,060	36,800
64 Columbus.....	.....	.....	.....	.....	.....	1,600	14,191	15,791
65 Griffin *.....	.....	.....	.....	.....	.....	(3,992)	.....	3,992
66 Macond.....	.....	.....	.....	.....	.....	.....	.....	.....
67 Rome *.....	1,600	.....	222	.....	1,822	1,450	5,280	6,730
68 Savannah.....	.....	.....	.....	.....	.....	3,000	64,236	67,236
<b>IDAHO.</b>								
69 Boise City.....	.....	.....	245	75	320	(e)	(c)	(e)
<b>ILLINOIS.</b>								
70 Aurora *.....	1,500	1,645	161	.....	3,306	2,000	23,813	25,813
71 Beardstown.....	2,625	620	231	141	3,617	1,300	5,225	6,525
72 Belleville.....	0	0	0	242	242	2,000	23,251	30,251
73 Belvidere.....	1,500	198	167	.....	1,865	(7,076)	.....	7,076
74 Bloomington.....	314	556	440	.....	1,310	1,500	36,926	38,426
75 Braidwood.....	.....	700	1,300	.....	2,000	(7,000)	.....	7,000
76 Cairo.....	13,339	804	688	297	15,128	1,400	9,459	10,859
77 Canton.....	12,871	1,274	.....	128	14,273	(10,007)	.....	10,007
78 Carlinville.....	.....	250	.....	160	350	1,100	4,000	5,100
79 Centralia.....	0	443	0	443	443	1,000	6,439	7,439
80 Champaign (west side).....	813	1,626	17	.....	2,456	(7,475)	.....	7,475
81 Chicago.....	353,445	101,752	7,287	11,540	474,024	195,617	1,166,034	1,361,651
82 Danville *.....	.....	1,521	.....	.....	1,521	1,700	22,343	24,043
83 Decatur.....	0	1,660	1,047	.....	2,707	2,000	22,767	24,767

\* Statistics of 1887-88.

a Expenditure for furniture and fuel are included in column 15.

b Expenditures for "permanent alterations and improvements" are included in column 14.

c Expenditures for books, apparatus, and stationery are included in column 15.

and vil ages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.										Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.							For evening schools.	Total expenditure.			
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.					
10	11	12	13	14	15	16	17	18	19	20	
\$300	\$175					\$175		\$25,830			48
2,150	2,415		\$2,600		\$200				0	\$17,263	49
167	(c)		2,805		c4,504			17,918	\$3,000	2,891	50
										12,901	51
600				\$400	3,500	4,500		37,000			52
355	186		14	182	34	771	\$154	5,662	0	82	53
6,823	4,631	\$6,586	8,850	3,763	3,221	33,874		134,880	5,000	21,145	54
28,527	16,000	(c)		b24,935	c32,835		2,736	668,353		0	55
9,519	6,000	(c)		b9,410	c15,057		2,310	281,332		0	56
39											57
475	196	0	853	267	188	1,979	0	10,714	2,386		58
120	25				25	170		4,120			59
135	326				629	1,090	0	9,326	0	1,295	60
255	321	64	1,000	0	657	2,297	0	13,265	2,600	1,591	61
	1,279	1,803	0	2,661	1,682	7,425	0	123,860	0	0	62
1,000	1,500				790	3,200		53,090		0	63
						7,600	0	23,391	0	0	64
						497		4,489		1,420	65
											66
						560		9,112		1,593	67
	500			3,177	800					3,860	68
(e)			2,650		1,009			13,015	2,500	0	69
2,340	1,304	1,017	1,884		1,165	7,710		36,829	4,000	15,973	70
851	339	17	960	256	252	2,675		12,817	2,000	150	71
	675	240	3,024	1,663	552	6,154	0	36,647	0	10,121	72
576	227	75		125	1,626	2,629	0	11,570	0	5,891	73
3,756	2,483		3,230	4,814	5,893	20,206	0	59,942	15,000	1,434	74
730											75
1,010	408	0	360	449	1,242	3,469	0	29,456	0	683	76
1,245	376		648		1,943	4,212	0	28,492	14,000	1,171	77
465	500	75		100	100	1,240		6,695			78
860	210	7	698	254	533	2,567		10,444	500	1,894	79
636	526	159	1,650		262	3,233	0	13,164	0	1,474	80
148,315	50,583	17,778	78,397	91,982	39,493	426,548	56,162	2,318,385	2,000		81
2,775	1,223	69	3,983		2,618	10,623		36,187	15,000	28,066	82
2,576	1,094	278	1,870	2,360	2,049	10,227	0	37,701	3,000	13,641	83

d The accounts of the city and the county schools are kept together, and it is impossible to make a financial statement for the city alone.

e "Salaries," \$9,036.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
ILLINOIS—continued.								
84 Effingham*.....		\$50			\$50	\$720	\$4,000	\$4,720
85 Elgin*.....	\$113	664				1,700	21,304	23,004
86 Evanston.....	41,555	1,437	\$614	\$175	43,781	2,000	13,100	15,100
87 Freeport.....		4,604	682	227	5,513	1,800	16,258	18,058
88 Galena.....	0	1,837	179	330	2,346	245	7,824	8,069
89 Galesburgh.....	8,482	548	608		9,638	3,840	19,644	23,484
90 Geneseo.....						1,350	5,500	6,850
91 Jacksonville.....	4,969	4,388	167	295	9,819	(19,327)		19,327
92 Joliet.....	11,961	4,035	326		16,322	1,600	26,847	28,447
93 Kankakee.....	0	979	646	94	1,719	1,200	8,800	10,000
94 La Salle*.....	0	1,000	0	50	1,050	100	9,925	10,025
95 Lincoln.....	8,500		800		9,300	1,200	10,115	11,315
96 Litchfield.....	7,928	960	1,030	40	9,958	1,200	6,063	7,263
97 Mendota.....		1,362	261	39	1,662	(9,898)		9,898
98 Moline.....	629	2,370	128	312	3,439	2,008	19,987	21,995
99 Monmouth*.....	34,863		2,063		36,926		10,452	10,452
100 Olney.....			87		87	950	5,423	6,373
101 Ottawa.....			185	41	227	1,350	16,764	18,114
102 Paris.....						1,700	9,865	11,565
103 Pekin*.....	3,000	1,200	25	100	4,325	1,500	10,400	11,900
104 Peoria.....		4,375	1,939		6,314			
105 Peru.....	1,500	670	0	54	2,224	1,400	7,650	9,050
106 Pullman*.....			216	50	266	1,800	12,686	14,486
107 Quincy.....	600	1,058	425		2,083	(33,096)		33,096
108 Rock Island.....	0	1,300	0	200	1,500	4,000	21,922	25,922
109 Rockford.....	60	1,856	55	212	2,183	2,000	36,982	38,982
110 Springfield.....			400	175	575	1,800	43,200	45,000
111 Sterling.....	0	0	0	278	278	1,500	5,877	7,377
112 Streator.....	8,091	1,471	1,870		11,432	1,375	15,265	16,640
INDIANA.								
113 Anderson.....	13,000		295		13,295	540	7,222	7,762
114 Aurora.....						(8,267)		8,267
115 Brazil.....		3,383	400		3,783	1,100	6,435	7,535
116 Columbus.....	0	545	100	86	731	720	10,944	11,644
117 Crawfordsville.....						(18,865)		18,865
118 Elkhart.....						3,300	81,279	84,579
119 Evansville.....						2,500	62,301	64,801
120 Fort Wayne.....	8,765	3,123	1,782	746	14,416			
121 Frankfort.....					1,310	1,500	10,805	12,305
122 Goshen.....	2,700			200	2,900	1,125	9,056	10,182
123 Greencastle.....			628	628		9,522	173,466	182,988
124 Indianapolis.....	5,949	599	490	1,810	8,848	1,300	17,217	18,517
125 Jeffersonville.....		72	16		88	1,400	10,330	11,730
126 Kokomo.....	4,154	2,089	573	430	7,196			
127 La Fayette*.....					2,796	(15,450)		15,450
128 La Porte*.....		250	250	700	1,200			
129 Lawrenceburgh.....						61,860	615,162	617,022
130 Logansport.....								
131 Madison*.....					1,500			
132 Michigan City*.....								
133 Mount Vernon.....						1,400	12,458	13,858
134 Muncie.....	4,000			200				
135 New Albany*.....						120	9,897	9,998
136 Peru.....		2,950	232	115	3,297	4,400	29,499	33,899
137 Richmond.....	27,682	6,058	409	321	34,470	1,250	8,216	3,466
138 Seymour.....	0			0		(8,133)		8,133
139 Shelbyville*.....						1,000	23,241	24,241
140 South Bend.....		2,000	1,122	2,321	28,168	2,500	60,933	63,433
141 Terre Haute.....	22,725	0	200	325	525	1,400	7,802	9,203
142 Valparaiso.....	0	0	200		3,400	1,300	12,286	12,586
143 Vincennes.....		2,500	120	780	3,400			
144 Washington.....	935			46	981	1,100	6,587	7,687

\*Statistics of 1887-88.

a Includes overdraft of last year.



and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.									Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).	
Incidental.						For evening schools.	Total expenditure.				
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.			Total incidental.			
10	11	12	13	14	15	16	17	18	19	20.	
\$450	\$100		\$60		\$50	\$660		\$5,430	\$2,500	\$1,000	84
2,530	2,057		2,878		1,518	8,983					85
1,596	1,528	\$91	1,640	\$475	3,534	8,864		67,745		11,884	86
2,040	2,237		1,188	1,048		6,513	0	30,084	0	464	87
1,490	583					2,073		12,488	2,600	7,503	88
2,265	3,072			548	741	6,626		39,748		7,960	89
600											90
						5,585		34,731		16,232	91
300			3,006			12,170		56,940	10,000	2,475	92
1,407	603	137	1,215	67	778	4,207	0	16,466	5,359	956	93
1,075	460	130	600		650	2,915		13,990	0	5,010	94
900	500		25	400	250	2,075					95
858	438	60	1,121	100	1,666	4,243	0	30,346	8,882	530	96
665			360		1,251	2,276		16,336	2,500	10,456	97
2,593	1,358	343	625		1,066	5,985		31,419	664,976	1,910	98
1,701	261		2,500			4,462		51,840		22,731	99
689	369	103	31	175	375	1,742		8,202		2,492	100
2,875	739	158	0	3,703	644	8,119	0	26,460	0	12,412	101
			1,500				0		0		102
1,816	473				2,026	4,315		20,540		11,461	103
							\$1,268				104
1,122	296	38	75	239	193	1,968	0	98,839			105
1,685	422		48		9,010	11,165		13,242	0		106
3,036	1,809	85	429	917	3,991	10,267		25,917	350	1,772	107
3,450	1,202	325	2,575	1,291	10,457	19,300	0	45,446		5,817	108
(8,039)	0					69,021	0	46,722	18,300	0	109
3,668	900	42	100	1,500	700	6,910		50,916	0	12,130	110
600	433	177	418	484	405	2,517	0	52,485		14,758	111
2,140	683		165	4,971	338	8,298		10,172	1,500	5,948	112
								36,370	4,000	8,188	
690	100	0	80	391	532	1,793	0	22,850	2,000	5,144	113
950	400	20	150	300	200	2,020	0	8,267		8,202	114
1,185	588		0	210	547	2,530		13,338	0	9,978	115
								14,925		2,299	116
1,550		200			6,399	8,149	0				117
7,805					614,121	621,926		27,014	0	7,462	118
6,738	3,077	525	0	1,000	1,361	12,701	0	6103,183		636,283	119
								91,918	0	40,806	120
765	800	275				1,840		14,269		7,176	121
1,392	414			179	2,348	4,333	0	17,045	3,640	9,088	122
21,226	4,597	2,552	11,805	6,283	16,952	63,345		15,143	0	8,537	123
1,569	623		820		1,046	4,058		255,181	100,057	0	124
1,115	379		699	217	231	2,642	0	22,663	1,500		125
								21,568	0	823	126
1,150	1,050	105						37,623			127
										39,933	128
61,619	61,197	69			6817	63,642	0				129
								23,520	0	7,089	130
								24,069		13,618	131
								15,617		10,756	132
1,732	500	100		700							133
								40,411		27,857	134
650	50										135
4,362	1,823	291	2,100	321	6,643	15,540	0	83,909	5,000	28,013	136
		0	1,260				0		1,000		137
											138
						3,528		11,661		4,767	139
2,220	2,425		523		1,973	7,141	0	34,679	0	30,375	140
5,910	1,800	200	0	2,000	1,468	11,378	0	102,984	0	13,159	141
637	530	327		261	448	2,202	0	11,930	0		142
960	230			260	163	1,613	0	17,599	0	17,770	143
834	225	25		175	1,104	2,363	0	11,031	0	5,043	144

b In 1887-88.

c Overdraft, \$11,887.

TABLE 19.—Statistics of expenditures of public schools of

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational ap- paratus.	Total, permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
<b>IOWA.</b>								
145 Atlantic .....	\$484		\$388	\$46	\$918	\$1,200	\$8,276	\$9,476
146 Boone .....						(11,175)		11,175
147 Burlington .....						1,900	47,000	48,900
148 Cedar Rapids .....								
149 Clinton .....								
150 Council Bluffs .....	28,029				28,029	(35,700)		35,700
151 Creston .....	23,000		550	100	23,650	1,400	13,760	15,160
152 Davenport .....	540	\$150	508	174	1,372	(61,801)		61,801
153 Des Moines, East .....	0	5,419	153	613	6,185	2,230	31,808	34,038
154 Des Moines, West .....	51,516	3,000	1,200	668	56,384	11,870	48,834	60,704
155 Dubuque .....	12,700	2,293	254	56	15,303	0	42,270	42,270
156 Fort Dodge .....	90	132	32	94	348	1,500	8,265	9,765
157 Fort Madison .....								
158 Iowa City .....						1,425	12,555	13,980
159 Keokuk .....	0	0	0	0	0	(26,958)		26,958
160 Le Mars .....								
161 Lyons .....			48		48	(8,463)		8,463
162 Marshalltown .....	0	0	220	391	611	1,800	21,779	22,579
163 Mount Pleasant .....	0	0	0		0	0	8,579	8,579
164 Muscatine* .....			1,143		1,143	1,500	21,261	22,761
165 Oskaloosa .....					950	(17,829)		17,829
166 Ottumwa .....								
167 Sioux City .....								
168 Waterloo* .....	0	61,622		31		1,650	6,788	8,433
<b>KANSAS.</b>								
169 Atchison .....		1,860			1,860	1,375	18,760	20,135
170 Clay Centre .....	1,137	615	146	150	2,048	1,200	6,413	7,613
171 El Dorado .....						1,000	8,120	9,120
172 Emporia .....		3,835			3,835	1,600	18,816	20,416
173 Fort Scott .....	0	941	745	38	1,724	1,000	15,627	17,227
174 Hutchinson .....	8,718	0	1,079	50	9,874	1,500	13,530	15,030
175 Independence .....	0	0	0	0	0	1,200	7,240	8,440
176 Kansas City .....	83,647		4,383		88,030	2,000	48,899	50,899
177 Lawrence .....	150		453		603	1,200	14,618	15,818
178 Leavenworth .....	0	0	693	632	1,325	2,403	33,087	35,487
179 Newton .....	60,548	278	711	105	61,642	1,350	13,096	14,446
180 Ottawa .....		442	122	207	771	1,450	10,257	11,707
181 Parsons .....						1,200	13,505	14,705
182 Salina .....						(11,930)		11,930
183 Topeka .....	12,331	1,771	991		15,093	2,500	53,607	56,107
184 Wellington .....	0	0	0	221	221	(11,092)		11,092
185 Wichita .....		490	2,601		3,091	2,000	38,581	40,581
186 Winfield .....	0	120	269	0	389	1,800	11,215	13,015
<b>KENTUCKY.</b>								
187 Ashland .....								
188 Bowling Green* .....		0				1,500	8,100	9,600
189 Covington .....	16,840		0	0	16,840	1,350	42,064	43,414
190 Dayton .....	523	1,598				1,000	43,500	44,500
191 Hopkinsville .....						1,300	4,850	6,150
192 Lexington .....	30,000				30,000	(25,000)		25,000
193 Louisville .....	73,229				73,229	3,850	269,350	263,200
194 Newport .....						4,000	30,000	34,000

\* Statistics of 1887-88.

a In 1887-88.

b Expenditure for fuel included in column 3.

c Orders outstanding amount to \$14,135.

cities and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.										Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.						For evening schools.	Total expenditure.				
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebted- ness.	Ordinary repairs.	All other current ex- penses.			Total incidental.			
10	11	12	13	14	15	16	17	18	19	20	
\$1,170 a1,000 4,342	\$1,047 a600 a\$10		\$1,875 a500	\$159	\$864	\$5,115 a2,140 18,530	0	\$15,509 67,430	\$2,500	\$6,178	145
											146
											147
											148
											149
3,500	3,510		3,760	216	16,935	27,921	0	91,650	2,500	42,759	150
2,500	700	350	2,500	1,500	0	7,550	0		0		151
5,777	4,266	251		2,888	2,081	15,263	\$667	79,103		27,080	152
5,421	2,067	865	4,010	732	2,485	15,580	0	55,803	0	16,264	153
6,800	3,000	300	7,750	2,147	7,911	27,908	800	145,796	10,000	0	154
5,150	4,362	176	330	1,048	3,788	14,854	0	72,427		5,513	155
1,125	546	48	575	362	366	3,022	0	13,135	3,000	9,979	156
											157
1,740	1,584	233	255	416	4,526	8,754		22,734	5,367	4,786	158
2,700	1,302		780				0		0		159
											160
880	409		450	764	344	2,847		11,358		1,662	161
2,092	1,719	246	3,308	1,206	612	9,183	0	32,373	0	21,123	162
1,016	568	0	0	(1,434)		3,018		11,597	0	1,776	163
1,871	1,010		483		478	3,842		27,746	4,000	1,195	164
1,769	875	308	885		1,201	5,038	0	23,317	2,000		165
2,500	1,000		2,500	3,000							166
											167
603	(b)	0	925	446		1,974		12,060	0	3,690	168
1,950	1,222	629	4,350	1,328	1,262	10,741	0	32,736	0		169
768	971	0	2,950	254	298	5,241	0	14,902		3,266	170
1,370		15				a4,206		13,575	1,000		171
2,065	957	249	0	824	425	4,520	0	28,771	0	1,541	172
1,890	1,186	63	293	52	298	3,782	0	22,732	0	359	173
1,472	814	20	1,075	1,187	2,593	7,161		32,038		38,974	174
956	460	30	1,120	175	906	3,647	0	12,087	1,000	1,421	175
7,438	2,161		3,878	1,437	3,820	18,734		157,663	3,563		176
2,091	1,224		1,918	3,310	853	9,396		31,880	6,063	7,547	177
3,908	1,575	544	11,056	2,060	1,785	20,928	0	57,740	12,000	9,116	178
1,320	557		3,900		4,080	9,887	0	85,875	6,630	9,016	179
1,075	1,083	121	2,648		1,026	5,954	0	13,432	0	738	180
0	0		1,702		217	1,917		16,624	3,011	2,084	181
						a3,533		22,522		5,482	182
6,258	2,693	571	14,142	1,434	3,894	28,992	0	100,192	0	c9,717	183
	(3,961)		(d)								184
5,569	2,545	1,598	3,744		6,192	19,648		63,321	a2,811	4,981	185
1,435	503	0	0	957	715	3,610	0	17,014	5,767	19,180	186
									0	73	
											187
720	450		1,000			1,270		10,870			188
500	931	300	444	1,375	1,742	5,292	576	66,122	15,148	5,876	189
a375	a150	a0	a690		a300	a1,515		7,545	1,013	579	190
e300	e148				e363	e900					191
1,000	1,500	200		1,200	500	4,400	0	59,400	0		192
20,782				24,117	29,203	71,102	5,029	415,560	0		193
3,063	1,500		3,000			7,563	0	41,563		f0	194

d "Interest" is included in column 19.

e Estimated.

f Deficit, \$3,084.



TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
<b>KENTUCKY—continued.</b>								
195 Owensborough.....	0	\$640	\$279	0	\$919	\$1,700	\$10,905	\$11,605
196 Paducah.....	\$1,454	5,250	454	\$125	6,829	1,500	12,600	14,100
197 Paris.....	3,000		300			1,250	4,600	5,850
<b>LOUISIANA.</b>								
198 New Orleans*.....		2,800	1,000	200	4,000	3,000	180,287	183,287
<b>MAINE.</b>								
199 Auburn*.....						360	18,515	18,875
200 Augusta.....		300	150	632	1,082	300	15,860	15,160
201 Bangor.....						1,150		
202 Bath*.....					1,611	300	12,231	12,531
203 Belfast*.....						150		
204 Biddeford.....	0	0	0	500	500	1,600	20,302	21,902
205 Calais.....	0	600	200	100	900	300	9,000	9,300
206 Ellsworth.....								
207 Lewiston.....				(d)		1,700	27,498	29,198
208 Portland.....	0	1,473	1,097	200	2,720	2,250	73,901	76,151
209 Rockland.....								
210 Saco.....		312		32	374	(10,563)		10,563
<b>MARYLAND.</b>								
211 Baltimore.....	48,989	12,989	9,000	40,000	110,978	10,000	573,491	583,491
212 Frederick.....	1,500	250	160	150	2,060	(5,054)		5,054
213 Hagerstown.....	2,953	480	405	64	3,906		9,778	9,778
<b>MASSACHUSETTS.</b>								
214 Attleborough.....			75	850	925	1,000	12,500	13,500
215 Beverly*.....	0	3,220	0	0	3,220	0	16,501	16,501
216 Boston.....	164,794	153,065	36,544	40,832	395,235	46,080	1,226,061	1,272,141
217 Brockton.....				2,905		(42,098)		42,098
218 Brookline.....	46,417	2,342				2,500		
219 Cambridge.....	24,713			10,937	35,650	4,700	171,074	175,774
220 Chelsea.....				3,321		(57,999)		57,999
221 Chicopee.....						(17,360)		17,360
222 Clinton.....	0	0	0	1,137	1,137	2,300	16,648	18,948
223 Danvers.....							12,125	12,125
224 Dedham.....			295	442	737	(25,604)		25,604
225 Everett.....	22,521		417	1,462	24,400	0	13,300	13,300
226 Fall River.....		(8)		41,493		2,500	110,330	112,830
227 Fitchburg.....	1,239	2,192	500	3,431	7,362	2,500	40,203	42,703
228 Gloucester.....	39,493	2,000	500	4,500	46,493	2,000	47,255	49,255
229 Haverhill.....				2,573	2,573	(52,993)		52,993
230 Holyoke*.....	51,197	3,425	2,067	2,590	59,279	2,000	47,488	49,488
231 Hyde Park.....	5,000			3,079	8,079	0	23,765	23,765
232 Lawrence.....	0	0	0	2,000		2,200	66,072	68,272
233 Lowell.....	34,655	18,262	2,325	8,579	63,821	3,800	132,095	135,895
234 Lynn.....	26,015	14,005	2,452	6,378	48,850	2,250	93,060	95,310
235 Malden.....		(27,530)		6,541	34,071	2,100	43,831	45,931
236 Marblehead.....						(14,175)		14,175

\* Statistics of 1887-88.

a Salaries of janitors included in column 8.

b In 1887-88.

c Overdraft, \$252.

d Expenditure for text-books is included in column 12.

e Account overdrawn by \$3,850.

and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.											
Incidental.							For evening schools.	Total expenditures.	Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1888-89).	
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.					
10	11	12	13	14	15	16	17	18	19	20	
(a) \$1,150 225	\$377 850 165	0	0	\$200 100	\$1,415 161	a\$2,792 2,361 b1,140	0 0	\$15,316 23,290	0	\$4,829 712	195 196 197
15,440	2,000		\$741		8,763	26,949		214,236	0	0	198
1,347 1,045	1,655 1,575	1,426		1,189	1,328	5,137		24,415 23,379		c0	199 200
878	731	736			373	2,718		36,935 16,860			201 202
1,115	1,400 700			1,692 600	503 152	4,710 1,452	\$530 0	10,005 27,642 7,028	0 0	1,377 0 289	203 204 205 206
2,485 6,829	3,963 6,431	d3,588 2,697		444 4,817	2,265 1,837	22,611	1,521 0	93,464 101,482 13,294	0 0	e0 0	207 208 209
828	554			650	588	2,620	0	13,557	0		210
30,500 240 0	20,000 340 443	(f) 100 65	0 0	7,000 110 272	76,085 50 129	133,585 840 909	0 0	828,054 7,954 14,593	0 0	0 46	211 212 213
1,540 1,769 134,465 3,501 400 (36,064)	1,450 1,254 71,645		0	650	1,075 948	4,715 5,669		19,140 25,390	\$5,000 0		214 215
3,501	71,645	9,002		(g)	32,097 2,297	247,209	55,429 817	1,970,014 51,618		799	216 217
400				750		1,016	37,080	107,138			218
7,980	3,674	(f)		h3,695	2,390	1,016	2,251	250,755	0	0	219
1,572	1,370	1,294		992	1,018	6,246	1,886	25,492		196	220
1,800	2,000	600	0	1,331	1,510	7,241	457	27,783	0		221
1,375	1,270	815		500	670	4,630	185	16,940		0	222
2,657	2,386	1,563		2,888		9,494	130	35,965			223
1,792	1,714	269		1,107	865	5,747	0	45,447		11,421	224
21,542	7,494	d11,416	0	i15,639	2,448		11,837	184,699	0	j2,238	225
3,460	4,804	500		1,374	3,726	13,864	2,226	66,155	0	0	226
3,443	3,672	504		4,397	337	12,353		108,101			227
3,771	4,831	(f)			1,579	10,181		65,747		k0	228
3,730	2,851				8,305	14,886		123,653		0	229
1,757	1,570			4,575	695	8,597	501	40,942		610	230
5,022	6,500	2,000	0	5,000			2,000	92,000	0	0	231
19,117	11,878	(f)		9,202	5,981	46,178	10,412	256,306	0	0	232
12,363	6,963	1,514	2,575	4,029	1,710	29,154	1,544	174,858	0	0	233
3,833	4,236		0	3,378	703	12,152	1,562	93,716	0	0	234
815	1,035	1,363		576	825	4,614		18,789	0	0	235 236

f Stationery for pupils is included in column 5.

g Expenditure for ordinary repairs is included in column 3.

h Includes "care of buildings."

i Expenditures for permanent improvements are included in column 14.

j \$166 of this amount was carried to the sinking fund.

k The account was overdrawn \$1,196.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
MASSACHUSETTS—cont'd.								
237 Marlborough.....		\$2,218	\$82	\$1,996		\$1,747	\$22,502	\$24,249
238 Medford.....	\$40,122			(b)		1,000	27,960	28,960
239 Milford.....		542		1,320	\$1,862	1,500	15,944	17,444
240 New Bedford.....	23,450	4,150		3,552	31,182	2,260	73,397	75,657
241 Newburyport*.....		300			300	800	18,025	18,825
242 Newton.....	4,544	6,920			11,464	2,800	89,922	92,722
243 North Adams.....	35,000	10,000		503	45,503	(22,136)		22,136
244 Northampton.....	6,000	132	249	2,496	8,877	1,800	23,406	25,206
245 Peabody.....						(21,401)		21,401
246 Pittsfield.....	40,000	0	0	522	40,522	2,500	28,460	30,960
247 Plymouth.....		1,000	280		1,280	1,950	16,833	18,783
248 Quincy.....						1,558	31,324	32,882
249 Salem.....		4,915	(3,710)		8,625	(55,970)		65,970
250 Somerville.....	4,903	913,994		5,343		2,417	85,080	87,497
251 Southbridge.....	0	3,779	202	37	4,018	1,770	9,418	11,188
252 Spencer.....		1,788				1,100		
253 Springfield.....	34,905	4,274	(7)	2,281	41,460	3,375	90,004	93,379
254 Stoneham.....		953	162	909	2,034	0	14,000	14,000
255 Taunton.....			1,079	2,565	3,644	(k)	(k)	(k)
256 Waltham.....	0	5,865	287	2,126	8,278	2,200	38,150	40,350
257 Watertown.....				1,738	1,738	500	18,600	19,100
258 Westfield*.....	0	1,300	200	150	1,650	700	18,942	19,642
259 Weymouth.....	12,000	2,500	600	3,000	18,100	2,163	23,252	25,415
260 Woburn.....				2,008	2,008	2,000	21,902	23,902
261 Worcester.....	4,800	15,110	1,290	11,151	32,351	3,500	183,331	186,831
MICHIGAN.								
262 Adrian.....		1,535		557	2,092	1,700	13,051	14,751
263 Alpena.....	7,500			350	7,850	1,600	12,650	14,250
264 Ann Arbor.....	22,482	1,399		281	24,162	2,200	24,109	26,309
265 Battle Creek*.....						(15,801)		15,801
266 Bay City.....	17,536	2,343	1,000		20,879	2,000	33,524	35,524
267 Big Rapids*.....						1,500	9,728	10,628
268 Cadillac.....	4,371	1,044	1,168	525	7,108	1,400	8,069	9,469
269 Cheboygan*.....	1,000	75	300	200	1,575	1,000	2,461	3,461
270 Coldwater.....			843	144	987	1,400	9,044	10,444
271 Detroit*.....	152,965	46,013	871	1,780	201,629	8,300	242,071	250,371
272 East Saginaw.....	18,719	2,202	1,534	2,674	25,129	2,500	47,331	49,831
273 Escanaba.....	4,228	945	148	502	5,823	1,200	4,409	5,609
274 Flint*.....				828		2,125	22,208	24,333
275 Grand Haven.....			175	248	423	1,200	8,960	10,160
276 Grand Rapids.....	13,692	897	1,879	6,452	22,920	2,500	111,875	114,375
277 Ionia*.....						(11,680)		11,680
278 Ishpeming*.....						2,000	9,089	11,089
279 Jackson.....						1,800	21,611	23,411
280 Kalamazoo.....	1,200		400	1,237	2,837	2,200	25,279	27,479
281 Lansing.....						2,400	14,773	17,173
282 Ludington.....	18,456	3,117	2,830	387	24,790	1,250	13,470	14,720
283 Manistee*.....						1,500	17,089	18,589
284 Marquette.....	8,000		300		8,300	400	13,115	13,515
285 Marshall.....	0	602	387	857	1,906	1,500	8,425	9,925
286 Menominee.....	3,507		1,019	263	4,789	1,400	11,430	12,830
287 Monroe*.....	8,000	100	500	100	8,700	(4,850)		4,850
288 Mount Clemens*.....						(5,074)		5,074
289 Muskegon.....	112,074	27,055	(7)			(49,083)		49,083
290 Negaunee*.....		2,222	1,000	0	3,222	1,600	7,583	9,183
291 Niles.....			308	476	784	1,600	7,909	9,509
292 Owosso*.....						(11,340)		11,340

\* Statistics of 1887-88.

a Expenditure for stationery is included in column 5.

b Expenditure for text-books is included in column 12.

c Expenditure for fuel is included in column 15.

d \$664 were "transferred to unappropriated funds."

e Deficit \$137.

f Deficit \$120.



and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.											Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.							For evening schools.	Total expenditure.				
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.						
10	11	12	13	14	15	16						
\$1,902	\$1,615	(a)		\$293	\$1,697			\$80,620			237	
2,531	(c)	b\$2,104			c6,903			22,675		0	238	
920	1,117			572	760	\$3,339		136,257			239	
9,075	3,949	650		5,460	2,763	21,897	\$7,521	22,304		d\$2,494	240	
980	600	418	0		1,181	3,179		129,037			241	
7,130	7,352					24,277	574	79,269			242	
						10,024	1,606	42,344		653	243	
1,572	1,451			2,077	2,467	7,567	694	30,807			244	
2,071	2,769	1,426			3,140	9,406		85,548	0	111	245	
2,205	2,438	1,938	0	4,333	2,073	12,987	1,079	25,944		e0	246	
1,209	1,661	1,505		864	881	5,620	261	51,160		f0	247	
2,828	2,418	2,188		3,117	5,652	16,204	2,074	97,183			248	
6,203	6,136	2,564		3,755	1,405	20,063	2,525	129,571		0	249	
6,591	8,075	(h)		(g)	2,397		772	19,191			250	
618	643	1,087	0	460	680	3,488	497	27,890	0	572	251	
								165,317	0	j206	252	
10,218	6,805	3,811	0	5,074	2,218	28,126	2,352	18,869	0		253	
400	1,378			390	687	2,847	0	68,702	0		254	
(k)	3,807	1,985			2,657			61,051	0		255	
3,170	3,560	694	\$675	2,199	625	10,923	1,500	25,680	0	0	256	
1,616	1,308			1,655		4,579	263	27,738		384	257	
1,822	1,444	1,558	0					50,815	0		258	
1,700	1,800	1,000	0	1,500	1,300	7,300	0	33,706	0	7,195	259	
2,000	2,000		0	2,319	1,247	7,566	230		0	0	260	
3,326	14,881	1,820	0	10,332	15,560	45,919	5,527	270,628	0	0	261	
1,463	1,374					3,728		20,571		2,970	262	
1,762	700	25			277	2,764		24,864		753	263	
1,485	1,891		779	-1,000	1,413	6,568	0	57,039	\$2,500	851	264	
								37,696			265	
4,263	2,322	1,037	905	1,500	2,496	12,523	0	68,926	0	10,063	266	
						4,037		19,333			267	
1,311	683	103	461	175	500	3,233	0	19,810	2,000	4,817	268	
350	225	0	0		282	857		5,893	0	452	269	
1,248	516		560	487	1,497	4,308		15,739	5,000	11,258	270	
23,564	16,797	1,500	0		13,584	55,445		507,445	0	2,651	271	
8,068	3,832	1,230	104		4,937	18,171	0	93,131	0	3,916	272	
1,110	759		1,534		963	4,406	0	15,838	0	0	273	
3,130	2,339		920					37,649	7,960	573	274	
929	714			926	985	3,454		14,037		381	275	
11,759	7,522		9,177	4,529	13,539	46,576		183,871	40,000	66,328	276	
						4,224		19,932			277	
						8,332		19,883			278	
2,435	2,579		891	1,438	3,028	10,372	0	33,782	2,000	1,182	279	
2,950	2,400		600	1,300	3,309	10,559		40,875	13,000	13,280	280	
						7,977		36,812			281	
1,368	2,000	400	1,220	412	761	6,161	0	45,671	9,000		282	
						3,615		38,833			283	
1,166	1,543		3,437	369	1,986	8,501	0	30,316	0	754	284	
898	971				181	2,050	0	13,881	0	2,378	285	
1,174	1,012	69	540	221	673	3,689	0	21,308	3,000	6,361	286	
313	600		360		530	1,803			1,000		287	
								6,827			288	
5,966			483	251		114,333	140	94,867	4,000		289	
1,480	(5,963)		500		0	7,943		20,348	0	2,216	290	
1,079	750			519	1,207	3,555		13,848		911	291	
								21,589			292	

g Expenditure for ordinary repairs is included in column 3.

h Expenditure for stationery and supplies is included in column 5.

i Expenditure for furniture is included in column 2.

j Lapsed into city treasury.

k Expenditure for salaries, \$57,109.

l In 1887-88.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
MICHIGAN—continued.								
293 Pontiac.....	\$2,548			\$87	\$2,635	\$1,600	\$10,050	\$11,650
294 Port Huron.....				548	548	1,500	14,889	16,389
295 Saginaw.....	(16,045)		\$1,132	416	17,593	1,800	24,353	26,155
296 West Bay City.....	15,229			125	15,354	1,500	16,485	17,985
297 Wyandotte.....				395			(4,270)	4,270
298 Ypsilanti*.....							(11,609)	11,609
MINNESOTA.								
299 Anoka.....		\$23	144	418	590	(9,013)		9,013
300 Brainerd.....		699	400	350	1,449	1,300	7,964	9,264
301 Crookston.....				60	60	1,575	6,743	7,318
302 Duluth.....	102,421	14,538	2,640	1,474	121,073	2,500	29,976	32,476
303 Faribault.....		1,530	154	275	1,959	1,500	8,403	9,903
304 Mankato.....	3,707	570	215	122	4,614	(15,098)		15,098
305 Minneapolis.....	210,632		7,787	3,007	221,426	16,554	294,807	311,361
306 Red Wing*.....	0	1,149	84	475	1,708	1,650	12,632	14,282
307 Rochester.....								
308 St. Cloud.....						1,200	8,000	9,200
309 St. Paul.....	159,748	16,452	14,399		190,599	(302,843)		302,843
310 Stillwater.....	1,866	13,705	441	1,049	17,061	2,200	21,077	23,277
311 Winona.....		2,000	907	717	3,624	2,500	30,141	32,641
MISSISSIPPI.								
312 Columbus.....	10,000		200		10,200	0	9,000	9,000
313 Jackson.....	35,000		3,000	600	38,600	1,500	4,230	5,730
314 Meridian*.....						1,500	9,400	10,900
315 Natchez.....	0	200	250	0	450	400	9,855	10,255
316 Vicksburg.....	0	2,500	100	250	2,850	1,500	10,400	11,900
MISSOURI.								
317 Boonville.....						(5,951)		5,951
318 Brookfield.....	200		1,600		1,800	900	3,645	4,545
319 Butler.....	0	630	0	64	694		4,960	4,960
320 Cape Girardeau.....	795			53	848	(3,657)		3,657
321 Carrollton*.....	0	300	100	75	475	1,500	8,770	10,270
322 Carthage*.....		484	99	115	698	1,500	10,600	12,100
323 Chillicothe*.....			701		701	1,200	5,820	7,020
324 Clinton*.....						1,200	6,195	7,395
325 Columbia*.....					192	(5,920)		5,920
326 De Soto*.....		193			193		2,905	2,905
327 Hannibal.....	0	338	190		529	1,500	17,098	18,598
328 Independence.....			782	300	1,082	1,500	9,270	10,770
329 Jefferson City*.....						(7,430)		7,430
330 Joplin.....				49	49	(6,780)		6,780
331 Kansas City.....	0	6,673	400	1,087	8,160	2,700	152,181	154,881
332 Lexington.....				20	20	(5,940)		5,940
333 Louisiana.....						(4,108)		4,108
334 Marshall*.....	1,126				1,126	(9,461)		9,461
335 Maryville.....	530	870			1,400	(7,163)		7,163
336 Mexico*.....						1,500	6,503	8,003
337 Moberly.....						1,350	8,273	9,623
338 Nevada.....		1,047	501	100	1,648	1,400	7,897	9,297
339 Rich Hill.....	325				325	0	5,480	5,480
340 St. Charles.....	0	0	0	102	102	1,000	4,296	5,296
341 St. Joseph.....	100,000				100,000	2,500	65,782	68,282
342 St. Louis.....	178,071	16,980	14,203	24,218	233,472	9,100	668,962	678,062
343 Sedalia*.....		600	222	102	924	2,000	19,773	21,773

\* Statistics of 1887-88.

a In 1887-88.

b Janitors' salaries included in column 15.

and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.									Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.										
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.	For evening schools.	Total expenditures.		
10	11	12	13	14	15	16	17	18	19	20
\$797	\$1,212	\$275	0	\$792	\$428	\$3,504	0	\$17,789	0	\$297
2,358	1,776	.....	\$725	774	1,838	7,471	0	24,408	0	14,654
3,267	2,286	.....	1,155	.....	4,401	11,109	0	54,857	\$5,000	27,746
1,772	1,000	195	1,350	.....	4,594	8,911	0	42,250	0	2,969
650	.....	.....	.....	.....	.....	2,247	.....	.....	.....	2,250
.....	.....	.....	.....	.....	.....	.....	.....	16,174	.....	298
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,067	855	.....	183	214	247	2,566	0	12,169	.....	464
1,458	800	150	2,665	400	880	6,353	0	17,066	5,900	8,753
1,207	1,147	54	1,699	413	683	5,203	.....	12,581	3,000	7,781
5,724	3,172	1,125	6,647	2,618	4,992	24,278	\$500	178,327	.....	114,797
1,235	1,054	.....	2,141	299	295	5,024	.....	16,886	8,500	572
1,883	1,329	60	2,094	948	1,100	7,414	.....	27,126	19,686	2,803
29,330	23,534	11,449	.....	12,741	22,383	99,437	7,993	649,217	302,000	4,589
1,365	816	0	870	.....	995	4,046	.....	20,036	3,000	992
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	306
600	850	50	2,000	300	.....	4,185	.....	18,200	2,157	0
.....	24,560	.....	31,135	13,461	40,049	119,205	.....	602,647	90,500	62,649
3,469	2,619	350	9,897	2,481	955	19,771	.....	60,109	41,000	3,830
3,697	3,272	761	4,698	1,213	751	14,392	800	51,357	0	17,879
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	311
.....	75	.....	.....	200	100	375	0	19,575	0	.....
250	200	.....	2,400	.....	.....	2,850	.....	47,180	.....	312
350	500	.....	.....	.....	950	1,800	0	12,700	.....	314
420	100	55	0	115	0	690	0	11,395	0	0
1,100	400	50	1,000	310	230	3,090	0	17,840	3,500	1,660
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	316
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
422	.....	.....	1,276	274	523	2,500	0	8,451	0	0
690	329	21	.....	141	88	1,269	.....	7,614	.....	356
433	200	0	859	300	173	1,995	0	7,649	653	3,022
502	.....	.....	1,263	111	360	2,236	0	6,741	1,502	1,194
685	422	.....	1,500	.....	500	3,107	.....	14,852	1,000	2,736
1,152	560	.....	300	.....	579	2,591	.....	15,389	.....	5,978
456	372	.....	1,626	.....	1,416	3,870	.....	14,289	2,697	1,523
723	508	.....	1,000	.....	1,350	3,581	.....	10,976	2,000	5,295
430	98	.....	180	.....	.....	703	.....	6,820	2,000	2,517
647	224	.....	900	.....	5451	1,622	.....	4,720	1,500	2,127
1,185	1,164	0	3,020	738	1,414	7,521	0	26,648	3,551	638
1,235	500	.....	1,206	529	454	3,924	.....	15,776	.....	10,132
840	.....	.....	2,273	135	535	.....	.....	.....	8,000	743
1,281	.....	.....	1,048	.....	.....	2,329	.....	12,158	3,000	719
21,004	8,452	3,991	23,153	(c)	65,996	122,596	.....	235,637	.....	223,356
592	.....	.....	.....	427	478	1,497	0	7,457	0	2,580
211	.....	.....	.....	.....	.....	796	0	4,904	800	332
773	.....	.....	745	1,291	1,568	4,377	.....	14,964	4,000	4,784
784	.....	.....	1,050	841	.....	2,675	0	11,238	3,000	4,559
566	500	.....	.....	.....	446	1,512	.....	9,515	.....	1,839
1,153	496	.....	1,083	679	541	3,952	0	13,575	0	4,445
691	601	.....	1,502	1,054	.....	3,848	.....	14,793	.....	4,137
.....	.....	.....	.....	.....	.....	2,920	0	8,725	0	12,641
590	(e)	.....	.....	590	427	1,607	0	7,005	0	1,014
1,800	2,088	270	12,734	3,558	19,992	40,442	0	208,724	0	4,833
88,364	21,789	.....	0	78,112	53,903	212,168	9,121	1,162,823	0	70,409
1,735	1,232	.....	2,400	.....	.....	.....	.....	28,898	.....	667

c Ordinary repairs included in column 3.

d Warrants outstanding, \$408.

e Expenditure for fuel and light is included in column 15.



TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
MISSOURI—continued.								
344 Springfield.....	\$5,956		\$200		\$6,156	\$2,250	\$13,081	
345 Trenton.....			320	\$54	374	1,200	6,090	\$7,290
346 Warrensburg*						(5,625)		5,625
347 Washington*						(3,625)		3,625
MONTANA								
348 Butte City.....						2,000	25,250	27,250
NEBRASKA.								
349 Beatrice.....	23,795			1,010	24,805	2,029	12,085	14,114
350 Fremont.....	12,445				12,445	1,200	12,112	13,312
351 Grand Island.....	3,323	\$612	1,341	412	5,683	1,800	16,076	17,876
352 Hastings.....	9,528				9,528	1,500	10,872	12,372
353 Kearney.....	13,856	1,412	0	25	15,293	1,200	12,523	13,723
354 Lincoln.....	37,298		5,604	1,500	44,402	3,000	40,157	43,157
355 Nebraska City.....	10,660				10,660	(11,026)		11,026
356 Omaha.....	164,258	19,222	13,883	6,201	203,564	8,292	186,165	194,457
357 Plattsmouth.....	1,500		847		2,347	1,625	7,730	9,355
NEVADA.								
358 Carson City.....	272			79	351	(9,175)		9,175
359 Eureka.....						2,000	7,000	9,000
360 Gold Hill.....	100	300	0	83	483	1,500	6,900	8,400
361 Virginia City.....	1,000	500	250		1,750	(17,700)		17,700
NEW HAMPSHIRE.								
362 Concord.....	0	0	0	1,967	1,967	1,350	20,432	21,482
363 Dover*		3,604		150	3,754	1,758	17,504	19,262
364 Keene.....	0	894			1,799	0	10,834	10,834
365 Manchester.....			1,222		1,222	(43,401)		43,401
366 Nashua.....						1,200	24,150	25,350
367 Portsmouth.....						1,800	17,797	19,597
368 Rochester.....		60		187	247	241	10,224	10,465
NEW JERSEY.								
369 Atlantic City.....	(16,000)				16,000	1,500	15,000	16,500
370 Bayonne.....	25,000	0	1,681	2,891	29,572	9,100	19,591	28,691
371 Bordentown*			99		99	(6,551)		6,551
372 Bridgeton*				1,204	1,204	100	13,683	13,783
373 Burlington*	1,040		309	74	1,423		7,573	7,573
374 Camden.....	35,466			540	36,006	(76,584)		76,584
375 Elizabeth.....	15,652	22,654	878	22,937	22,121	650	42,429	43,079
376 Gloucester City.....		815	249	413	1,477	0	6,052	6,052
377 Hackensack.....						(12,127)		12,127
378 Harrison.....					2,300	40	49,000	49,000
379 Hoboken.....					4,660		977,047	470,000
380 Jersey City.....	0			5,000	6,000	4,000	228,184	232,184
381 Lambertville*		129	200		329		6,010	6,010
382 Long Branch.....	8,000	2,500	350	400		(21,800)		21,800
383 Millville*		1,107	158	45	1,310	550	16,428	16,978
384 Montclair.....	6,895	2,052	666	1,078	10,691	100	16,549	16,649
385 Morristown*		1,187			1,187		11,872	11,872
386 Mount Holly.....				1,077		(6,666)		6,666

\* Statistics of 1887-88.

a Amount paid to janitor is included in column 8.

b Expenditure for fuel and light is included in column 15.

c Expenditure for repairs is included in column 11.

d In 1887-88.

and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.										
Incidental.							For evening schools.	Total expenditures.	Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.				
10	11	12	13	14	15	16	17	18	19	20
(a)	(b)		\$3,242		\$2,287		0	\$27,016	0	\$3,025
\$700	\$621		1,340			\$2,661	0	10,325	\$2,201	344
526			1,113	\$152	883					345
250	242				455	947		4,572	0	346
										347
1,700			1,729							2,743
										348
1,352	1,748				3,796	6,896	0	45,815	0	6,653
1,337	1,300	\$400		900	2,368	6,305				350
1,893	1,079	35	1,744	1,978		6,729	\$155	30,448	0	6,945
1,191	1,626	491		1,293	946	5,547	0	27,447	0	9,190
1,642	1,202	200	2,124	4,762	0	9,930	0	38,946	0	4,500
3,398	2,807		3,600	1,287	401	10,893		98,452		36,515
1,400	c1,856			(c)	2,719	5,975	0	27,661	0	355
32,775	14,359	4,744	15,875	17,750	27,931	113,434		511,455	390	16,664
894	688			1,478	1,418	4,479	0	16,181	0	2,986
										357
120	1,210					1,330	0	10,856	0	0
600	300									5,138
880	400	50	0	100	496	1,926		10,814		359
1,500	5,000	500		500	3,050	10,550	0	30,000	0	0
										361
1,266	2,143	0	0	2,064	4,268	9,741	623	34,173	0	1,931
1,485	1,540	1,750	0		796	5,571		28,587	0	0
845		0		1,493			220		0	0
3,262	3,918	555		4,436	1,786	13,957	1,225	59,805		365
2,150	2,162				7,090	11,402	2,301	39,053		0
847	2,170	150		4,532	1,007	8,706	0	28,303	0	0
898	857			626	514	2,895		13,607		257
										368
2,339	1,111	1,688		1,960	2,347	9,445	0	41,945	5,333	369
3,570	1,600			3,317	962	9,449	0	67,712	0	15,884
270	195	195		1,193	469	2,322	0	8,972	0	371
947	893			1,523	221	3,584		18,571		372
485	669	42		478	880	2,554		11,550		373
13,558			7,313		13,471	34,342		146,932	20,000	43,634
2,968	1,787	(e)		(f)	6,177		0	76,132	0	17,680
50	367		0	366	600	1,383		8,912		376
	556		2,175	3,972	3,513				2,500	2,362
d645		d100				d745				377
9500	2,709		928	2,574	4,770	h19,200		93,189		64
17,000	8,000	2,150	0	4,000	6,850	38,000	3,000	279,184	0	379
601	288	15			16	920		7,259		10
1,500	1,600		4,500		4,000				2,000	382
978	939	1,132			797	3,846		22,134		3,969
1,055	823	773	900	950	1,473	5,974	0	33,314	0	5,004
1,110	633	591	600		373	3,307		16,366	2,000	385
238	328	(e)	265	33				8,607		386

e Expenditure for stationery is included in column 5.

f Ordinary repairs included in column 3.

g Expenditure for janitors' salaries is included in column 8.

h Estimated.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational ap- paratus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
NEW JERSEY—cont'd.								
387 New Brunswick.....	\$900		\$553		\$1,453	\$2,500	\$22,227	\$24,727
388 Newark.....	74,333	\$15,432	5,712	\$15,595	111,072	2,800	264,381	267,181
389 Orange.....	17,668	2,505	44	209	20,426	(22,616)		22,616
390 Passaic.....	3,256		335	51,861	5,502	0	16,769	16,769
391 Paterson.....	(20,276)			5,045	25,321	2,000	89,878	91,878
392 Perth Amboy*.....	3,511			451	3,962	100	5,320	5,420
393 Phillipsburgh.....	0	1,279	702		1,981	1,440	12,150	13,590
394 Plainfield.....	35,922		1,609	279	37,810	(22,044)		22,044
395 Rahway.....						400	11,640	12,040
396 Salem.....	0	159	0	622	781	(9,820)		9,820
397 Trenton.....	24,969	4,447	1,663	5,926	37,005	2,500	62,746	65,246
398 Woodbury *.....	6,646		320	(c)	6,966	0	6,815	6,815
NEW YORK.								
399 Albany.....	30,448	24,795	2,823	5,177	62,243	3,000	162,962	165,962
400 Albion.....	1,449	525	49	32	2,056	800	7,960	8,760
401 Amsterdam.....								
402 Auburn.....	2,999	7,380	3,053	2,106	15,538	2,000	42,944	44,944
403 Batavia.....		435	410	453	1,348	1,800	8,040	9,840
404 Binghamton.....	8,793	2,552	659	1,641	13,645	2,000	42,503	44,503
405 Brockport.....	0	194	220	58	472	0	1,711	1,711
406 Brooklyn.....	313,660	32,009	16,077	1,881	363,627	13,000	1,114,843	1,127,843
407 Buffalo.....	255,539	73,118	11,135	3,465	343,257	10,469	413,094	423,563
408 Canandaigua.....	0	0	35	352	387	(9,545)		9,545
409 Catskill.....		1,600		100	1,100	(7,228)		7,228
410 Cohoes.....			547	1,047	1,594	1,500	25,158	26,658
411 College Point .....		446	112	369	927	(6,309)		6,309
412 Cortland.....		290	96		386	800	5,073	5,873
413 Dansville.....	344			181	525	(5,600)		5,600
414 Dunkirk.....	0	1,020	112	170	1,302	1,600	16,450	18,050
415 Elmira.....	0	13,349	1,568	1,219	16,136	1,600	44,747	46,347
416 Flushing.....		548	322	1,252	2,122	2,000	10,552	12,552
417 Fulton.....	11,000	250	280	100	11,630	(8,172)		8,172
418 Geneva.....	661	0	22	115	798	(10,045)		10,045
419 Gloversville.....						1,500	13,025	14,525
420 Green Island.....	0	2,060	0	187	2,247	(7,293)		7,293
421 Haverstraw.....								
422 Hoosick Falls*.....	0	1,018	240	54	1,312	0	12,661	12,661
423 Hornellsville.....		4,800	795	621	6,216	2,350	17,559	19,909
424 Hudson.....		1,019	57		1,076	1,000	10,263	11,263
425 Ilion*.....	0	370	284	392	1,046	1,700	7,741	9,441
426 Ithaca.....			78	1,108	1,186	2,000	16,920	18,920
427 Jamaica*.....	0	461	100	10	571	0	5,680	5,680
428 Jamestown.....	13,849	315	410	378	14,952	2,000	25,395	27,395
429 Johnstown.....	17,282	998	761	453	19,494	1,300	9,440	10,740
430 Kingston.....	4,713		1,378	121	6,212	1,500	20,108	21,608
431 Lansingburgh.....	22,500	430	1,200	1,100	25,230	1,500	13,752	15,252
432 Little Falls.....	22,000	970	58	166	23,194	800	11,770	12,570
433 Lockport.....	27,497	1,137	125	133	28,892	1,600	24,662	26,262
434 Long Island City*.....	2,491	2,775	708	123	6,097	1,500	33,848	35,348
435 Lyons.....			180	71	251	1,300	6,467	7,767
436 Malone.....	2,674		778	1,275	4,727	(11,387)		11,387
437 Matteawan.....			5	299	304	(4,750)		4,750
438 Medina.....	100	300	300	400	1,100	1,800	6,750	8,550
439 Middletown.....	1,480	299	320	1,207	3,306	2,000	14,465	16,465
440 Mount Vernon.....				2,220		3,800	28,842	32,642
441 New Brighton.....	9,995		2,933			(27,805)		27,805
442 New Rochelle.....	16,482	473	241	714	17,910	(13,519)		13,519
443 New York.....	825,969	419,814	113,826	158,273	1,517,902	47,485	2,890,771	2,938,256

\* Statistics of 1887-88.

a Includes \$2,237 expended for the industrial school.

b Expenditure for stationery is included in column 5.

c Text-books are included in column 12.

d In 1887-88.



and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.											Paid on principal of loans, and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.						For evening schools.	Total expenditures.					
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.			Total incidental.				
10	11	12	13	14	15	16	17	18	19	20		
\$2,615	\$1,513	\$532	\$1,162	\$2,133	\$593	\$8,553	\$317	\$35,050	\$3,000	\$1,099	387	
28,333	10,974			3,431	8,852	51,590	11,208	441,051	0	69,034	388	
1,950	1,547	49		2,732	a3,424	9,722	443	53,207	0	2,589	389	
2,290	980	(b)	195	2,086	749	3,600	839	34,260	4,850	0	390	
11,557	5,950		0	4,593	2,412	24,712	2,571	144,482	0	3,738	391	
525	144			109	388	1,166		10,548			392	
1,316	999	39	0	1,248	1,853	5,465	0	21,036	0	1,237	393	
2,807	1,365	985	3,678	1,164	2,704	12,703	840	73,397	4,000	6,200	394	
1,106	576	1,240		795	379			16,136		795	395	
643	828	242	175	374	489	2,751	200	13,552	0	9,758	396	
4,781	5,203	1,096			3,858	14,938	914	118,103		21,829	397	
750	462	c613		1,297	95	3,217	230				398	
11,530	10,448	2,458	0	12,140	4,620	41,196	0	270,406	0	118,504	399	
753	836			224		1,813	0	12,629	0		400	
								17,136			401	
4,536	3,234	200	1,020	2,408	1,875	13,273	0	73,755	4,000	8,781	402	
2,220	2,755		400	446	1,641	5,462		18,650	2,000	8,031	403	
4,548	2,407		0	1,123	934	9,012	0	67,160	0	5,488	404	
137	204			161	31	533		2,716		218	405	
d96,666	d39,226	d118,766			d89,466	d344,124				947,674	406	
24,818	21,538					57,351	8,688	832,859	11,634	280,523	407	
787	965			738	2,675	5,165	0	15,097	0	1,884	408	
671	350				150	1,171		9,499		83	409	
3,934	2,635			1,023	1,567	9,159		37,411		8,847	410	
344	236				154	784	0	8,020	0	1,490	411	
625	414			72	316	1,427		7,686		2,724	412	
425	396		2,112		152	3,085		9,210	2,000	8	413	
2,527	687	0		265	676	4,155	0	e24,724	0	6,134	414	
3,891	2,823	44	0	0	1,656	8,414	0	70,897	0	3,458	415	
1,253	925	373	3,110	300	441	6,402	0	21,076	2,600	0	416	
700	400	300		300	0	1,700	0	21,502	0	601	417	
0	762				565	1,327	0	12,170	0	7,649	418	
893	584	123	0	725	169	2,494	0	12,034	0	2,277	419	
										2,116	420	
1,260	851	0	1,174		794	4,079		18,052	3,500	684	421	
2,203	1,150	100	575	(f)	1,174	5,202	0	31,327	3,500	7,233	422	
462	666			520	383	2,031		14,370		7,671	423	
600	636	0	0		706	1,942		12,429	0	4,200	424	
1,646	1,548		1,375	617	802	5,988		26,094	5,000	2,605	425	
390	320	587	128		1,000	2,425		8,676	800	2,969	426	
1,174	1,144			369	806	3,493	0	45,840	0	5,066	427	
1,041	996		1,411	998		4,448	0	34,680	2,800	3,312	428	
2,404	1,401	279	140	1,119	769	6,112	0	33,932	0	h0	429	
1,570	690	200	593	250	1,000	4,213		44,695	1,000	1,397	430	
810	909				4,739	6,458	0	42,222	0	179	431	
2,620	2,925	0	0	895	608	7,048	0	62,202	0	49,226	432	
233	1,311	4,705	0		8,845	15,694		56,539		26,952	433	
743	304			658	971	2,676	0	10,694	0	2,461	434	
1,065	603		534	397	1,577	4,116	0	20,230	0	2,716	435	
358	160			180	40	738	0	5,792	0	1,297	436	
600	500	50	0	100	200	1,450	0	11,100	0	2,987	437	
1,356	889			470	924	3,639	0	23,410	0	21,464	438	
						6,461					439	
								46,442		8,335	440	
1,165	595		2,000	419	1,263	5,442		36,871	2,000	15,044	441	
185,115	125,289			228,723		537,127	121,582	5,114,867			442	

e \$1,217 apportioned to St. Mary's Orphan Asylum.

f Expenditure for "ordinary repairs" is included in column 3.

g These figures refer to the Kingston school district, which embraces only about one-half of the entire city.

h Deficit, \$9,050.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
NEW YORK—continued.								
444 Newburgh.....		\$3,070	\$968	\$7,595	\$11,633	\$1,600	\$37,017	\$33,617
445 Norwich.....								
446 Ogdensburgh.....		(6,057)		423	6,480	(16,376)		16,376
447 Olean.....	\$8,782	1,156	661	218	10,817	1,700	13,661	15,361
448 Oswego.....	770	4,211		1,190	6,171	1,600	31,069	32,669
449 Owego.....	3,260	1,270		1,206	5,736	0	12,434	12,434
450 Peekskill.....	685	654	959	685	2,983	2,600	8,925	11,525
451 Penn Yan.....		914	711	48	1,673	(7,359)		7,359
452 Plattsburgh.....			168	263	531	2,350	11,122	13,472
453 Port Chester.....	50	784	306	515	1,655	0	8,350	8,350
454 Port Jervis.....	17,710	1,347	1,954	811	21,822	1,845	14,182	16,027
455 Poughkeepsie.....				3,720	3,720	1,600	30,752	32,352
456 Rochester.....	49,510		5,376	2,809	57,696	2,258	190,579	192,837
457 Rome.....		(6,045)		311	6,356	(16,355)		16,355
458 Saratoga Springs.....	1,500	1,695	165	2,919	6,279	1,800	23,643	25,413
459 Schenectady.....		(1,803)		147	1,950	(22,976)		22,976
460 Seneca Falls.....		1,298	23	213	1,535	200	9,552	9,752
461 Sing Sing.....	36,542		91	38	36,671	1,953	10,924	12,877
462 Syracuse.....	25,740	11,026	2,429	10,936	50,131	2,500	149,355	151,855
463 Tarrytown.....		108		272	380	(5,300)		5,300
464 Tonawanda.....	0	700	0	300	1,000	1,050	3,640	4,690
465 Troy.....				4,804	4,804	2,300	104,996	107,296
466 Utica.....	2,453	252	670	543	4,218	2,500	67,247	69,747
467 Waterloo.....		3,197	559	23	3,779	0	7,298	7,298
468 Watertown.....	7,068	3,733	743	725	12,269	1,500	21,385	22,885
469 West Troy.....	1,422		58	197	1,677	(12,545)		12,545
470 Whitehall.....	162				162	1,400	5,692	7,022
471 Yonkers.....	22,439	3,869	2,391	2,123	30,822	3,400	46,235	49,635
NORTH CAROLINA.								
472 Asheville.....	4,500	0	2,200	1,000	7,700	1,200	7,155	8,355
473 Durham.....			500	250		1,500		
474 Fayetteville.....						1,000	2,300	3,300
475 Goldsborough.....	208					1,200	4,544	5,744
476 Greensborough.....						1,000	2,663	3,663
477 New Berne.....								
478 Raleigh.....			425			(13,395)		13,395
479 Reidsville.....		1,597			1,597	880	2,294	3,174
480 Winston.....								
OHIO.								
481 Akron.....	2,602	4,773	325	100	17,800	2,500	45,911	48,411
482 Alliance.....		4,265	508		4,773	1,300	8,606	9,906
483 Ashtabula.....	0	0	0	0	0	1,300	7,325	8,625
484 Bellaire.....	0	4,614	0	111	4,725	1,500	10,778	12,278
485 Bellefontaine.....						1,200	8,100	9,300
486 Bucyrus.....						1,700	7,106	8,806
487 Canton.....						(30,000)		30,000
488 Chillicothe.....		(2,315)	512	1,579		(26,200)		26,200
489 Cincinnati.....	130,655					4,500	636,676	641,176
490 Circleville.....		1,618			1,618	1,800	13,710	15,510
491 Cleveland.....	35,779	17,258	9,841	6,925	69,803	411,800	4418,959	4470,759
492 Columbus.....	71,402	39,005	7,878	1,648	119,933	21,796	129,575	151,371
493 Dayton.....	(47,929)				47,929	5,743	121,854	127,597
494 Defiance.....				292	292	1,300	8,308	9,608

\* Statistics of 1887-88.

a Deficit, \$6,185.

b Deficit, \$4,413.

c Includes fuel and light.

and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.											Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.							For evening schools.	Total expenditure.				
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.						
10	11	12	13	14	15	16	17	18	19	20		
\$2,100	\$2,606		\$1,154	\$3,623	\$2,822	\$12,305	0	\$62,555	0	\$2,052	444	
						5,824		28,880		15,923	445	
1,376	1,173		720		792	4,061		30,239	\$3,000	7,261	447	
	2,500	\$544	0	870	300	4,214	0	43,054	0	3,478	448	
1,540	669	0	0		982	3,200		21,370	0	3,097	449	
800	691	138	140	187	663	2,619		20,127	3,000	416	450	
547	564					1,111	0	10,143	0	379	451	
	132	304	1,411	1,107	1,514	4,468	0	18,471	4,000	3,093	452	
750	356		178	307	625	2,216		12,221	7,300	384	453	
1,426	1,007	75	401	261	1,215	4,385	0	42,234	2,000	3,344	454	
2,379	1,967			2,427	1,791	8,564	0	44,636	0	22,904	455	
22,166	10,548	0	0	18,849	24,800	76,363	\$1,314	328,210	0	5,808	456	
						4,121		26,832		0	457	
3,045	2,046	500			759	6,350	0	38,072	0	42,725	458	
						3,506		28,432		0	459	
852	758	0	0		1,224	2,834		14,121	1,725	20,778	460	
931	92	150	1,600	913	944	4,630		54,178	5,000	17,643	461	
10,088	6,049				4,090	20,227	0	222,213	0	148,359	462	
		339			971	1,310		6,990	1,150	1,194	463	
100	450	0	0		200	750		6,440	0	725	464	
9,818	4,583			3,943	780	19,124	0	131,224	0	61,872	465	
5,459	5,188	301			6,998	17,946		91,911		8,428	466	
368	566				19	953		12,030		1,214	467	
698	2,297			1,283		4,278		39,432	7,043	a0	468	
											469	
1,416		330				1,746		8,930		1,559	470	
4,432	3,442	3,167	1,183	5,572	4,735	22,531	2,644	110,632	5,000	11,332	471	
420	700	40	325	25	95	1,605		18,150	490	0	472	
260								8,500			473	
96		0	0		200	296		3,600			474	
			739					8,013			475	
150	150				50	350		4,013			476	
											477	
600			232			3,223	0	17,043	142	(b)	478	
						186		4,957		183	479	
											480	
5,922	1,910	3,748	9,700	4,578	1,278	27,136	0	93,347	10,000	46,329	481	
505	351	39	660	1,207	1,306	4,068		18,747	2,000	6,063	482	
150		0	1,080	(c3,084)		4,404	0	12,939	5,000	6,213	483	
1,728	363	0	1,666		3,697	7,454		21,457	0	6,817	484	
						2,224		11,524		8,243	485	
(d800)		d0	d0		d2,652	d3,452		11,559	7,487		486	
						e26,000		58,692			487	
2,098	374	661				d6,984	164	35,962	0	14,265	488	
			0					928,763		41,445	489	
1,313	957	42	630	252	1,213	4,407	0	21,535	2,000	15,418	490	
45,539	29,386	(f)	20,435	28,338	3,294	e132,500		702,785		0	491	
25,004	5,175		4,022		8,430	42,631		313,935	37,000	60,446	492	
17,197	7,200	2,749	2,406	0	6,916	36,468	0	211,994	0	64,299	493	
	3,441				809	4,250		14,150		10,854	494	

d In 1887-88.

e Estimated.

f Expenditure for stationery is included in column 5.

g Deficit, \$35,061.



TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
OHIO—continued.								
495 Delaware *						(\$13,509)		\$13,509
496 Delphos *	0	\$469	0	\$317	\$786	\$1,200	\$6,095	7,295
497 East Liverpool.....	\$16,544				16,544	1,200	9,517	10,717
498 Elyria.....				250		2,000	10,178	12,178
499 Findlay *						(11,343)		11,343
500 Fostoria *	0	0	0	0	0	1,450	6,540	7,990
501 Fremont.....						(11,877)		11,877
502 Gallon.....				150	150	1,300	8,665	9,965
503 Gallipolis.....		908	\$375	425	1,708	1,300	8,895	10,195
504 Greenville *						(11,940)		11,940
505 Hamilton.....		3,500	300	150	3,950	2,700	29,975	32,675
506 Ironton.....	35,647				35,647	1,800	16,953	18,753
507 Kenton *						(10,248)		10,248
508 Lancaster.....						1,250	13,764	15,014
509 Lima.....	9,446				9,446	1,600	16,023	17,623
510 Mansfield *						(22,725)		22,725
511 Marietta *	1,389	1,544		50	2,983	1,500	10,770	12,270
512 Marion *						1,500		
513 Martin's Ferry.....	3,733		85	60	3,878	2,23	7,218	9,448
514 Massillon *						(15,374)		15,374
515 Middletown.....	0	650	1,150	300	2,100	1,500	11,050	12,550
516 Mount Vernon *						(15,564)		15,564
517 Nelsonville *	0	0	0	50	50	1,300	5,245	6,545
518 Newark.....	9,992				9,992	1,800	22,914	24,714
519 Norwalk.....	(3,229)					1,600	13,268	14,868
520 Painesville.....	10,843				10,843	750	9,698	10,448
521 Piqua.....	7,338	1,354	411	150	9,253	1,500	11,897	13,397
522 Pomeroy.....						900	7,577	8,477
523 Portsmouth.....						1,800	17,273	19,073
524 Salem *						(11,000)		11,000
525 Sandusky.....	5,406	2,400			7,806	1,800	27,439	29,239
526 Sidney.....						1,200	10,475	11,675
527 Springfield *						1,800	59,566	61,366
528 Steubenville.....	1,806	1,085	44	506	3,441	1,750	24,523	26,273
529 Tiffin.....						1,800	12,390	14,190
530 Toledo.....	35,202	9,665	2,672	82	47,621	3,950	98,206	102,156
531 Troy.....	0	190	0	1,700	1,890	1,800	10,666	12,466
532 Urbana *	0	2,056	0	125	2,181	1,800	11,596	13,396
533 Van Wert *	15,000	2,500	1,000	0	18,500	1,100	8,280	9,380
534 Warren *						1,600		
535 Washington C. H.....	425	4,885	353		5,663	1,500	12,245	13,745
536 Wooster *						(14,168)		14,168
537 Xenia *						(18,740)		18,740
538 Youngstown.....	2,108					2,200	34,016	36,216
539 Zanesville *						(39,729)		39,729
OREGON.								
540 Astoria.....	12	762	508	27	1,309	(12,270)		12,270
541 Portland.....		8,999	2,397	125	11,521	3,000	78,023	81,023
542 Salem.....				181	181	(10,168)		10,168
PENNSYLVANIA.								
543 Allegheny.....					79,594	(159,907)		159,907
544 Allentown.....	18,191	539	1,079	283	20,092	2,075	32,033	34,113
545 Altoona.....	24,481	10,787	3,918		39,186	1,500	31,851	33,351
546 Ashland.....	587				587	1,200	7,074	8,274
547 Beaver Falls.....					13,839	(11,607)		11,607
548 Bellfonte.....		75	100		175	(5,740)		5,740

\* Statistics of 1887-88.  
a Estimated.

and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.										
Incidental.							For evening schools.	Total expenditures.	Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.				
10	11	12	13	14	15	16	17	18	19	20
								\$23,390		495
\$385	\$326	0	0		\$610	\$1,321		9,402		496
745		\$125				9,704	0	36,965		497
										498
			\$3,550		3,219	6,769		88,112		499
(5,579)						14,759		14,759		500
660	455	54	192	\$325	675	18,894		18,894		501
3,805	2,000	150		850	4,753	5,579		15,694		502
125	478		3,281		2,289	2,561		14,464	\$339	503
										504
										505
										506
										507
1,450			(b)			5,418	0	20,432	0	508
2,252					7,668	11,000	0	17,251	64,950	509
										510
771	363	94			770	1,998		33,018		511
								17,251		512
711	190		878	300		2,079		34,396		513
									1,000	514
1,550	67	250	1,454	200	0	3,521	0	39,941		515
								18,171	2,000	516
625	125	2	2,315		2,429	5,496		16,871		517
						17,461	0	12,091	7,500	518
								52,166	0	519
1,010	766				1,207	2,983		23,856	2,700	520
690	954	233	2,960	481	1,903	7,221		24,274		521
						2,408		33,871	4,000	522
1,847			1,276		5,875	8,998		10,885		523
								28,071	4,000	524
2,988	2,582	350	2,180		2,082	10,182		19,095		525
								47,226	4,000	526
								20,520		527
2,909	756	145	62	992	1,080	5,944	0	99,493	15,846	528
			360		3,302	3,662	0	35,658	2,500	529
7,735	4,907	341	14,430	3,035	10,284	40,732		17,852	3,000	530
1,580	660	200	1,039		1,820	5,299	0	130,509	59,500	531
1,140	1,683	25	4,882		108	7,838		19,655	11,900	532
635	2,000	50	0		1,000	3,685		23,415	10,620	533
								31,565	0	534
								22,923		535
1,000	500	50	120	502	1,034	3,226	0	22,634	2,500	536
								17,062		537
								31,838		538
420								55,080		539
								54,122		
821	847				9,060	10,728		24,307		540
7,831	3,227	815	4,579	2,024	4,327	22,803	0	115,347	20,000	541
1,529	493		1,927	690	251	4,890		15,239		542
						119,835		359,336		543
3,385	2,139	136	20,268	250	4,256	30,434	0	84,639	1,000	544
4,467	1,231		3,745	355	2,368	12,166	0	84,703	27,460	545
956	1,546	258	786	1,456	346	5,348	\$300	14,509	2,994	546
1,257	489		3,725			6,627	90	32,073		547
750	450		2,010	550			0		2,852	548

b Payment of interest on bonds is included in column 19.  
c In 1887-88.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
PENNSYLVANIA—cont'd.								
549 Bethlehem *	\$12,562	0	\$212	0	\$12,773	\$1,020	\$5,614	\$6,634
550 Bloomsburgh*	707				707	(4,794)		4,794
551 Braddock *	1,697	\$434	260	\$212	2,653	1,060	6,589	7,649
552 Bradford.....		3,547			3,547	1,400	15,160	16,560
553 Bristol.....	0	0	0	273	273	540	5,447	5,987
554 Butler.....	490	0	0	0	490	2,090	7,810	9,900
555 Carbondale *					9,884		11,514	11,514
556 Carlisle.....	300	0	0	0	300	0	9,345	9,345
557 Chambersburgh.....	0	315	0	0	315	800	12,598	13,398
558 Chester.....	17,968	0	0	1,502	19,470	1,300	26,110	27,410
559 Columbia.....	1,000	488	195	103	1,786	1,620	10,829	12,449
560 Connellsville.....	0	1,423	0	30	1,453	0	6,639	6,639
561 Con-hohocken.....			111	909	1,020	150	6,871	6,521
562 Corry.....						1,350	7,160	8,510
563 Danville.....						(10,076)		10,076
564 Du Bois.....	340	63			403	282	7,858	8,135
565 Dunmore.....	2,235	486			2,721	(10,136)		10,136
566 Easton *	2,852				2,852	(28,365)		28,365
567 Erie.....	19,369			401	19,769	2,500	55,194	57,694
568 Franklin *	1,199				1,199	(12,865)		12,865
569 Greenville.....	0	199	394	0	593	1,850	5,778	7,623
570 Harrisburg.....	21,163				21,163	1,800	55,363	57,163
571 Hazleton.....	0	1,069	12	150	1,231	1,500	12,484	13,984
572 Honesdale.....					13,997	(5,543)		5,543
573 Huntingdon.....	200	1,500	100	300	2,100	1,200	7,094	8,294
574 Johnstown *		820			820	(15,512)		15,512
575 Lancaster.....		2,650	88			1,500	35,696	37,196
576 Lebanon *	1,373	794	513	0	2,680	800	12,805	13,105
577 Lock Haven.....						1,100	9,600	10,700
578 McKeesport.....					8,514	(19,962)		19,962
579 Mahanoy.....					15,980	1,200	9,174	10,374
580 Mauch Chunk *	1,199				1,199	(6,385)		6,385
581 Meadville.....	26,061	2,853		388	29,307	2,700	17,522	20,222
582 Mechanicsburgh.....	27	0	235	0	312	0	5,004	5,004
583 Middletown.....					403	(4,859)		4,859
584 Monongahela *	208	423	0	0	731	0	6,454	6,454
585 Nanticoke.....	1,790	399		370	2,559	1,200	9,014	10,214
586 New Brighton *					965	1,300	5,092	6,392
587 New Castle.....		1,500			1,700	1,500	15,300	16,800
588 Norristown.....	24,668		737	1,597	27,002	1,500	25,912	27,412
589 Oil City *	26,244				26,274	(17,526)		17,526
590 Philadelphia.....	(290,410)			25,202	315,612	16,800	1,428,971	1,445,771
591 Phoenixville.....	0	0	0	729	729	1,200	9,800	11,000
592 Pittsburgh *	76,758	60,201			136,959	3,500	340,190	343,690
593 Pittston.....	19,265	999			20,264	1,000	7,738	8,738
594 Plymouth.....	0	222	236		509	0	7,653	7,653
595 Pottstown.....	7,300				7,300	1,100	15,139	16,239
596 Pottsville.....		1,378			1,378	2,225	22,918	23,143
597 Reading.....	23,547	967	850	2,541	27,905	2,000	63,905	65,905
598 Renovo.....						(3,807)		3,807
599 St. Clair *	533				533	(3,575)		3,575
600 Scranton.....	7,840	14,120			21,960	1,800	92,679	94,479
601 Shamokin.....	7,119				7,119	(12,182)		12,182
602 Sharon.....	2,023				2,023			9,056

\* Statistics of 1887-88.

a Fuel included in column 15.

b Balance due treasurer, \$1,295.

c Deficit of last year.

d Deficit, \$257.

e Estimated.



and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.											
Incidental.								Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).		
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total Incidental.	For evening schools.			Total expenditures.	
10	11	12	13	14	15	16	17	18	19	20	
\$418	\$1,100	0	0		\$576	\$2,094		\$21,501	\$3,603	\$106	549
451	(a) 174	\$30			600	2,560		8,061			550
1,653	1,078	\$30	\$1,600		308	2,855		13,157		178	551
1,069	455	824	664		320	4,527		24,634	1,200	9	552
948	499		432		320	2,548	0	9,707	1,000	2,388	553
1,202	(a) 499		732		938	3,863	0	14,253	0	60	554
1,528	512	0			a1,652	2,854		24,745	493		555
1,190	1,009	0	240	889	554	3,723	0	13,368	0	5,922	556
3,563	1,009	0	805	277	170	3,451	0	17,164	c 300	d 0	557
772	1,250	0	2,510	0	255	7,578		54,458		363	558
804	639			454	942	e2,900		17,156	8,456		559
600	f 368	0	1,000	0	612	2,784	0	10,876	0	3,709	560
325	266		1,128	222	276	2,492		10,033	8,000	3,107	561
2,223	1,467		725	2,678	1,601	6,796		15,306	5,000	992	562
573	2,223		832		1,060	4,115		14,191		4,087	563
468			780		44	1,407		9,945		(g)	564
1,061					624	2,153		15,010		1,654	565
8,979	3,506	950	0	2,209	4,478	20,329		51,546			566
						20,122	0	97,585	0	0	567
						4,996		19,060			568
601	546					1,147	0	9,263	1,754	125	569
6,120	4,201		4,604		2,258	17,183		95,514	12,500	2,517	570
1,255	690	584	364		157	3,050	\$139	20,804	2,400	3,265	571
1,000	900	100	500	300		12,492		32,032			572
251	(a) 127	127	585		a3,049	2,800		13,194		31	573
278	2,175	2,649	3,759			4,012		20,544		616	574
713	793	0	1,085		500	3,091		64,701		1,388	575
700	700			500		20,876		20,876	2,000	6,326	576
1,295	1,248	90	2,189		277	1,960		12,600			577
8,101	1,563	675	873	175	771	8,266	0	36,742	0	789	578
						5,099	200	31,653		3,621	579
						3,479		11,063			580
						7,158		56,687	10,009	3,769	581
						1,247	0	6,563	0	1,268	582
						2,744		8,006			583
609	200	0	1,330		493	2,632		9,817	1,600	845	584
1,199	245	242	738	200	31	2,655	309	15,737	6,000	823	585
2,000	800	100	1,450	1,500	1,274	3,921		11,278			586
3,176	1,397	400	1,189	484	1,234	7,124	0	25,583	1,000	127	587
						7,880	0	62,294	0	3,350	588
						11,700		55,500			589
142,661 <i>h</i>	59,827	123,228 <i>h</i>	0	30,951	201,300	557,967	33,083	2,357,433	0	260,156 <i>h</i>	590
1,333	1,038		1,467	536	150	4,524	0	16,253	2,700	837	591
5,053	26,269		47,236		65,398	143,956		624,605	106,650	175,273	592
880	325	292	285		890	2,672	340	32,014	0	5,877	593
814	366		498	47	183	1,908	379	10,449	4,000	307	594
3,240	2,016		1,020	3,163	127	9,556		33,105	2,500	176	595
2,594	1,050		1,237	1,253	3,394	9,528		36,049	3,500	27	596
9,586	4,810	2,793	2,024	1,871	9,560	31,044		151,664	26,810	17,521	597
950	213		1,363	417	272	3,215		12,387	5,365	(k)	598
						1,149		5,307			599
10,673	4,147		3,500	2,657	4,334	25,311	2,142	143,892	0	66,431	600
						4,648		23,949			601
						3,010		14,089			602

*f* Includes printing.*g* Deficit \$46.*h* Apparatus is included in column 5.*i* Expenditure for books is included in column 12.*j* \$10,599 merged.*k* Balance due treasurer \$121.

TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
PENNSYLVANIA—cont'd.								
603 Shenandoah.....	\$(8,311)		\$500	\$205	\$9,016	\$1,650	\$17,505	\$19,155
604 South Bethlehem *.....		1,608	116		1,724		9,627	9,627
605 South Easton.....	545	309	138	976	1,968	1,000	7,385	8,385
606 Steelton.....	0	1,104	634	193	1,931	1,200	11,373	12,573
607 Sunbury *.....	558				558	(6,620)		6,620
608 Susquehanna.....	0	9	0	0	0	0	2,968	2,968
609 Tamaqua.....		334			334		6,603	6,603
610 Titusville.....	1,500	4,445		650	6,595	1,800	15,275	17,075
611 Towanda*.....	2,068				2,068	(6,370)		6,370
612 Uniontown.....			543		543	(6,070)		6,070
613 Warren.....		176	239	134	549	1,665	7,567	9,232
614 Washington.....		6753				(9,219)		9,219
615 West Chester.....	0	796	0	1,401	2,197	1,390	11,628	13,018
616 Wilkes Barre.....	43,246	3,775			47,021	(53,914)		53,914
617 Williamsport.....	27,482	2,868	1,000	107	31,457	1,500	39,158	40,658
618 York.....	12,389		(2,185)	313	15,787	1,600	23,371	24,971
RHODE ISLAND.								
619 Bristol.....				781		600	9,300	9,900
620 Central Falls.....	19,780	925		223	20,928	0	12,067	12,067
621 Newport.....	0	0	652	516	1,168	(f40,678)		f40,673
622 Pawtucket.....	26,669	703	2,939	1,212	31,523	1,422	47,235	48,657
623 Providence.....	667,727	28,761	(g)		96,488	3,500	223,591	227,091
624 Woonsocket.....	149		(619)	106	904	1,750	24,519	26,269
SOUTH CAROLINA.								
625 Charleston.....						2,500	63,981	66,481
626 Columbia.....						h1,620	h9,005	h10,625
627 Greenville*.....					18,000	1,000	3,256	4,256
628 Spartanburg.....	12,000		300		12,300	900	2,520	3,420
TENNESSEE.								
629 Chattanooga.....			84		84	1,650	28,429	30,079
630 Clarksville.....		468	290	47	805	1,500	7,967	9,467
631 Jackson.....	612	(i)				1,500	8,125	9,625
632 Knoxville.....	1,000	0	37	120	1,157	1,800	25,052	26,852
633 Memphis.....	43,347	2,853	1,218	81	47,499	2,000	45,301	47,301
634 Nashville.....	1,130	1,501	2,313		4,944	4,800	84,144	88,944
635 Union City.....	0	295	0	0	295	1,200	3,410	4,610
TEXAS.								
636 Austin.....	2,859		1,178	795	5,018	1,650	35,463	37,113
637 Brenham.....	0	132	40	29	201	1,200	9,533	10,733
638 Brownsville.....	4,396	0	85	0	4,481	1,499	5,540	7,039
639 Dallas.....			2,670		2,670	2,000	31,591	33,591
640 Denison.....	16,413	301	82		16,796	1,500	12,797	14,297
641 El Paso.....	4,495	828	152	214	5,689	2,400	10,044	12,444
642 Fort Worth.....			230		230	2,000	24,615	26,615
643 Galveston.....	9,844	3,236	3,515	398	16,793	2,400	52,947	55,347
644 Houston.....	11,295	1,044	2,112	600	15,051	2,000	27,913	29,913
645 Marshall.....						(5,155)		5,155
646 Palestine.....						1,500	5,850	7,350
647 Paris.....		601			601	1,700	15,726	17,426

\* Statistics for 1887-88.

a Balance due treasurer \$306.

b Expenditure for ordinary repairs is included in column 3.

c Includes other supplies.

d Deficit \$171.

e Estimated.

and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.										
Incidental.								Total expenditures.	Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs	All other current expenses.	Total incidental.	For evening schools.			
10	11	12	13	14	15	16	17	18	19	20
\$2,080	\$990	\$302	\$1,700	\$901	\$1,625	\$7,598	\$442	\$36,211	\$1,000	\$305
75	466		721		26	2,085		13,439	500	952
841	433		669	80	53	2,076	0	12,429	0	605
1,341	631	281	351	426	394	3,424		17,928	7,100	606
						2,198		9,376		607
257	456	0	425	255	522	1,915	0	4,883	1,255	608
711	147	31	800		190	1,879		9,134		609
1,660	2,063		3,009	940	253	7,925	0	31,595	0	610
						1,961		10,399		611
921	9		180	353	377	1,840		8,454	2,000	612
75	460		605	121	1,281	2,542		12,333	500	613
1,149	245	e415	296	(b)	327			12,404	1,900	614
1,779	1,091	0	2,236	568	694	6,368	0	21,583	7,200	615
3,369	4,252		3,536		1,651	12,808	0	113,743	4,550	616
3,449	5,302			1,349	1,030	11,130		83,245		617
1,801	1,314		215	913	467	4,710	0	52,847	7,379	618
(1,368)						e3,400		13,421		0
1,550	1,470	246	645	348	596	4,855	548	38,398	0	620
4,026	2,202	251	0	3,364	2,933	10,976	(f)	54,617	0	1,703
6,916	5,394			7,906	4,228	24,444	2,134	106,758	0	47,672
(34,797)		5,201			2,026	42,024	15,864	381,467	0	623
2,728	1,943	1,065	0		2,623	8,359	0	35,532	0	624
2,880	750	390		3,284	1,727	9,031	250	75,762	0	7,039
		h0								625
109	114	0	0		737	960		23,216	0	0
60	160					220		15,940		235
										626
										627
										628
1,528	837			571	984	3,920	0	34,082	0	7,701
273	346	0	18	82	691	1,410	0	11,682	0	2,403
255	196		453		771				234	2,531
2,060	1,119	0	0	231	40	3,450	0	81,460	0	518
5,768	1,592	30	2,193		7,219	16,802	0	111,602	14,583	630
4,785	1,503	1,093		1,101	5,664	14,146	0	108,034		631
						505		5,410		2,269
										632
										633
										634
										635
2,229	702		834	824	2,795	7,384	0	49,329	11,050	319
315	132	58	0	45	890	940	0	11,874	0	127
540	105	19	0	0	1,429	2,093	0	13,613	0	663
2,013	1,206	291		1,682	1,934	7,126		43,387		0
						4,753	0	35,845	0	0
910	278	150	0	537	896	2,771	0	20,904	0	15,442
				642	4,767	5,409	0	32,254	0	12,088
3,360	963	0	0	1,983	5,932	12,238	0	84,578	0	1,016
2,507	626			2,126	2,211	7,470	0	52,434	0	830
						1,127		6,282		590
280						h501		h7,401		646
122	268	133				694		18,721		1,863

f Expenditures for evening schools included in columns 7, 8, and 9.

g Expenditure for furniture included in column 2.

h In 1887-88.

i Expenditure for furniture included in column 15.

j Indebtedness of previous year.

k Deficit, \$11,234.



TABLE 19.—Statistics of expenditures of public schools of cities

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
TEXAS—continued.								
648 San Antonio *						\$1,827	\$47,344	\$49,171
649 Sherman						1,500	9,292	10,792
650 Waco	\$8,336	\$317	\$2,541	\$42	\$11,236	1,500	19,873	21,373
UTAH.								
651 Logan	606	252	95			535	3,250	3,785
652 Ogden City		660	479	1,380	2,519	1,500	4,965	6,465
653 Provo City *	3,273	628	163	147	4,210	900	3,687	4,587
654 Salt Lake City	6,000	1,700	2,500	1,250	11,450	(28,000)		28,000
VERMONT.								
655 Bennington *		126			126	1,200	4,572	5,772
656 Brattleboro		460		951	1,411	500	9,390	9,890
657 Burlington			225	6	231	800	18,867	19,667
658 Rutland	10,889	1,066	0	1,199	13,154	400	15,917	16,317
659 St. Albans								
660 St. Johnsbury d						(6,199)		6,199
VIRGINIA.								
661 Alexandria	7,200		1,380		8,580	380	11,708	12,088
662 Danville				80		255	12,270	12,495
663 Fredericksburgh			334	45	379	200	4,457	4,657
664 Lynchburgh *	6,500	774	626	86	7,986	2,972	22,497	25,469
665 Manchestor				126	126	280	5,363	5,643
666 Norfolk *		515			515	600	19,250	19,550
667 Petersburg	0	0	0	260	260	1,665	18,600	20,265
668 Portsmouth				40	40	(10,934)		10,934
669 Richmond	26,595	5,026	117		31,738	22,790	90,416	112,206
670 Roanoke						200	4,400	4,600
671 Staunton	0	0	300	140	440	1,210	7,067	8,277
672 Winchester *	0	100	91	79	270	460	4,334	4,794
WASHINGTON.								
673 Seattle			3,686	2,372		(28,805)		28,805
674 Spokane Falls	12,889		2,172		15,061	1,200	9,941	11,141
675 Tacoma	16,668	1,082	514	282	18,546	2,400	19,303	21,703
676 Walla Walla	4,500			11,693		(8,489)		8,489
WEST VIRGINIA.								
677 Charleston								
678 Grafton		50			50	800	3,480	4,280
679 Martinsburgh	0	990	169	0	1,159	200	7,665	7,865
680 Parkersburgh	10,427		1,511	107	11,045	1,350	17,858	19,209
681 Wheeling	23,631	2,681	3,541	643	30,496	1,716	52,943	54,659
WISCONSIN.								
682 Appleton	1,925		173	1,662	3,760	(22,280)		22,280
683 Baraboo			80	357	437	300	8,440	8,740
684 Beaver Dam *				25		(6,300)		6,300
685 Beloit	0	2,720		75	2,795	200	9,710	9,910
686 Berlin	2,220		294	318	2,832	(7,295)		7,295
687 Chippewa Falls	0	1,316	161	54	1,531	1,800	9,105	10,905
688 Eau Claire	0	1,500	91	571	2,161	(26,932)		26,932

\* Statistics for 1887-88.

a Deficit, \$5,276.

b Estimated.



TABLE 19.—*Statistics of expenditures of public schools of cities*

City.	Expenditures for the school year 1888-89.							
	Permanent.					For tuition.		
	Sites, new buildings, and fixtures.	Permanent alterations and improvements.	Furniture.	Libraries, text-books, and educational apparatus.	Total permanent.	Salaries of supervising officers.	Salaries of teachers.	Total for tuition.
1	2	3	4	5	6	7	8	9
WISCONSIN—continued.								
689 Fond du Lac.....	0	1,200	315	275	1,790	400	16,968	17,368
690 Fort Howard.....	0	134	285	100	519	250	6,595	6,845
691 Green Bay.....		2,243	0	100	2,343	350	12,004	12,354
692 Janesville.....	12,000	7,284	1,349	1,143	21,776	1,500	13,770	15,270
693 Kenosha.....		589		224	813	200	6,925	7,125
694 La Crosse.....		5,554	355	1,585	7,494	3,550	40,209	43,759
695 Madison.....		3,225	575	111	3,911	2,150	20,379	22,529
696 Marinette*.....						(13,348)		13,348
697 Menasha.....	958		217	160	1,335	(5,365)		5,365
698 Menomonie.....	2,043		144	225	2,412	200	11,133	11,333
699 Merrill*.....		243			243	(5,393)		5,393
700 Milwaukee.....				3,089	3,089	3,780	309,645	313,426
701 Monroe.....	0	100	34	400	534	1,200	5,347	6,547
702 Neenah.....	13,389		110	226	13,725	200	7,625	7,825
703 Oconto.....	0	0	15	112	127	(7,000)		7,000
704 Oshkosh.....	15,207	625	130	1,004	16,966	600	29,443	30,043
705 Portage.....		519		48	567	300	7,915	8,215
706 Racine.....	2,452	1,880	1,001	190	5,523	1,200	29,902	31,102
707 Sheboygan.....	0	5,930	1,104	87	7,121	500	16,320	16,820
708 Stevens' Point.....		3,000	250		3,250	1,600	8,284	9,834
709 Watertown*.....	0	716	0	128	844	1,600	10,658	11,258
710 Waukesha.....			419	230	649		7,980	7,980
711 Wausau.....	799				799	(9,883)		9,883
712 White Water.....		1,425	300	400	2,125	100	8,200	8,300
WYOMING.								
713 Cheyenne.....		1,063	74	150			18,914	

\* Statistics of 1887-88.



and villages containing over 4,000 inhabitants—Continued.

Expenditures for the school year 1888-89.									Paid on principal of loans and bonded debts.	Amount carried forward to next school year (1889-90).
Incidental.							For evening schools.	Total expenditures.		
Pay of school board, clerks, janitors, etc.	Fuel and light.	Stationery for pupils.	Interest on indebtedness.	Ordinary repairs.	All other current expenses.	Total incidental.				
10	11	12	13	14	15	16	17	18	19	20
1,865	2,200	350	.....	2,788	970	8,173	0	27,331	0	5,448
540	400	10	0	25	446	1,421	0	8,785	0	1,492
996	148	8	51	143	440	1,786	.....	16,483	2,000	448
2,423	1,815	.....	.....	510	632	5,381	.....	a 41,409	.....	9,763
726	474	.....	0	.....	540	1,740	0	9,678	0	4,608
4,297	2,208	1,385	0	1,243	1,668	10,801	.....	62,654	.....	27,606
2,068	3,492	.....	81	3,579	0	9,220	0	35,660	0	6,153
.....	.....	.....	.....	.....	.....	.....	.....	19,468	.....	2,912
315	400	.....	.....	427	340	1,432	0	8,182	0	3,007
.....	.....	.....	.....	.....	4,228	4,228	0	17,973	0	12,106
.....	.....	.....	.....	.....	.....	1,500	.....	7,136	.....	4,745
25,927	39,755	5,866	.....	.....	11,251	82,799	9,698	409,012	0	164,020
737	363	0	0	(957)	.....	2,057	0	9,138	0	939
792	731	.....	410	325	759	3,017	0	24,567	3,000	9,302
480	.....	.....	.....	25	.....	600	0	7,727	0	2,502
2,670	3,582	82	.....	701	1,016	7,951	.....	.....	.....	704
523	531	.....	.....	60	752	1,806	.....	10,648	.....	787
.....	2,252	.....	.....	.....	2,815	5,067	0	41,692	0	8,565
.....	.....	.....	.....	.....	.....	5,574	0	29,515	0	21,187
.....	.....	.....	.....	.....	.....	.....	.....	19,300	.....	6,531
.....	.....	.....	.....	.....	.....	2,902	.....	15,004	0	11,788
931	889	.....	1,270	.....	993	4,083	0	12,712	2,500	1,321
.....	.....	382	.....	.....	1,961	2,343	.....	13,025	.....	7,391
700	800	200	.....	.....	.....	1,700	.....	12,125	.....	3,961
1,385	706	88	.....	.....	.....	.....	.....	.....	.....	713

a The sum of the items exceeds the reported total by \$1,013.

TABLE 20. — Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants.

City.	Ratio of total public and private school enrollment to population 6-14.	Ratio of public-school enrollment to population 6-14.	Ratio of private-school enrollment to total public and private school enrollment.	Ratio of average daily attendance in public day-schools to—		Average number of days' attendance of each pupil enrolled.	Total attendance is equivalent to population 6-14 for—	Number of pupils in average daily attendance to each teacher.	Proportion of males in entire supervising and teaching force.	Population 6-14.		Number of seats or sittings for study to each 100 of—		Average number of sittings to a building.	High schools.		
	Per ct.	Per ct.	Per ct.	Population 6-14.	Per ct.	Per ct.	Days.	9	Per ct.	11	12	12	13	14	15	16	Ratio of average daily attendance to total public-school enrollment.
<b>ALABAMA.</b>																	
1 Birmingham	51.4	42.9	14.8	21.5	57.0	101.5	43.6	32.8	28.5	30.3	123.6	289.3	3.0	Per ct.	Per ct.	Per ct.	Ratio of average daily attendance to total public-school enrollment.
2 Eufaula*	79.9	42.8	46.4	27.6	64.5	114.1	48.8	44.6	40.0	37.1	134.5	130.0	5.1	0.4	0.4	70.1	Ratio of average daily attendance to total public-school enrollment.
3 Huntsville	41.5	41.5	28.6	32.6	73.3	117.4	52.2	29.1	17.6	58.1	245.1	250.0	28.6	306.4	95.2	80.0	Ratio of average daily attendance to total public-school enrollment.
4 Lively*	40.7	29.0	28.6	31.1	81.6	97.9	28.4	60.0	11.4	62.8	136.4	430.5	7.4	52.3	0.5	88.8	Ratio of average daily attendance to total public-school enrollment.
5 Mobile*	62.9	54.1	28.6	38.3	70.8	120.4	65.1	33.2	21.1	40.9	127.4	206.7	0.0	114.6	26.7	150.4	Ratio of average daily attendance to total public-school enrollment.
6 Montgomery	54.1	43.6	28.6	34.3	65.0	101.6	54.8	31.5	33.3	40.9	127.4	206.7	0.0	114.6	26.7	150.4	Ratio of average daily attendance to total public-school enrollment.
7 Selma*	68.1	43.6	28.6	34.3	65.0	101.6	54.8	31.5	33.3	40.9	127.4	206.7	0.0	114.6	26.7	150.4	Ratio of average daily attendance to total public-school enrollment.
8 Tuscaloosa	68.1	43.6	28.6	34.3	65.0	101.6	54.8	31.5	33.3	40.9	127.4	206.7	0.0	114.6	26.7	150.4	Ratio of average daily attendance to total public-school enrollment.
9 Tucson*	.....	.....	22.1	.....	54.0	97.0	.....	25.9	9.1	.....	245.6	233.3	4.0	.....	.....	.....	Ratio of average daily attendance to total public-school enrollment.
<b>ARIZONA.</b>																	
<b>ARKANSAS.</b>																	
10 Fort Smith	144.0	114.9	20.2	66.5	57.9	98.7	111.1	40.8	26.7	119.9	180.2	412.0	5.1	.....	.....	80.0	Ratio of average daily attendance to total public-school enrollment.
11 Helena*	64.5	50.1	22.4	27.6	55.1	92.0	46.1	35.1	25.0	46.2	167.3	160.0	5.2	.....	.....	74.1	Ratio of average daily attendance to total public-school enrollment.
12 Little Rock	88.9	76.4	14.1	48.9	64.0	114.3	87.2	46.0	11.1	50.5	163.4	180.0	4.7	.....	0.5	88.8	Ratio of average daily attendance to total public-school enrollment.
13 Pine Bluff*	142.9	110.5	22.7	98.2	54.5	98.2	108.5	46.4	15.0	129.7	214.4	500.0	0.0	.....	.....	.....	Ratio of average daily attendance to total public-school enrollment.
14 Texarkana*	104.8	100.4	4.2	87.9	89.6	143.3	143.9	41.9	26.7	114.6	127.4	206.7	0.0	.....	.....	.....	Ratio of average daily attendance to total public-school enrollment.
<b>CALIFORNIA.</b>																	
15 Chico	137.2	129.8	5.4	92.4	71.2	128.2	166.3	46.1	26.7	150.4	162.7	350.0	.....	.....	.....	.....	Ratio of average daily attendance to total public-school enrollment.
16 Eureka	150.7	134.3	10.8	95.3	70.9	127.2	170.5	43.8	20.0	114.1	119.7	87.5	.....	.....	.....	.....	Ratio of average daily attendance to total public-school enrollment.
17 Los Angeles	165.2	130.0	15.8	98.6	70.9	130.5	167.6	38.2	7.1	90.2	91.5	210.8	2.3	.....	0.3	92.6	Ratio of average daily attendance to total public-school enrollment.
18 Marysville	101.3	63.8	35.6	54.7	83.8	139.8	91.3	34.0	27.3	88.4	161.8	275.0	8.4	.....	0.7	87.3	Ratio of average daily attendance to total public-school enrollment.
19 Oakland	131.5	105.6	19.7	78.9	74.7	142.6	150.7	41.0	27.3	88.4	161.8	275.0	6.5	.....	1.3	87.3	Ratio of average daily attendance to total public-school enrollment.

20	Pasadena .....	123.7	103.3	19.8	91.2	88.3	150.1	155.0	32.6	16.2	136.6	149.8	268.7	7.3	91.0
21	Riverside .....	127.6	101.1	18.5	66.1	65.4	139.4	141.0	34.1	13.3	94.8	143.5	307.7	4.1	63.4
22	Sacramento .....	127.3	101.3	17.3	76.2	77.4	148.1	142.6	32.8	4.4	94.5	146.9	519.5	2.6	81.7
23	San Francisco .....	122.2	100.3	18.0	68.1	67.9	135.9	136.3	40.2	7.7	80.9	118.7	593.8	5.1	81.4
24	San Jose .....	154.2	127.7	17.2	90.3	70.7	132.8	103.6	39.0	16.4	118.6	134.4	250.0	4.5	78.3
25	Santa Cruz .....	134.1	108.1	14.4	90.3	61.2	120.1	103.6	38.1	13.0	124.3	131.7	316.7	5.9	83.8
26	Santa Rosa .....	134.1	108.1	14.4	90.3	61.2	120.1	103.6	38.1	13.0	124.3	131.7	316.7	5.9	83.8
27	Vallejo .....	125.7	107.5	14.5	81.3	56.3	140.7	131.9	49.8	21.1	81.8	100.4	186.7	6.3	97.1
28	Woodland .....	270.4	252.7	6.5	137.3	54.3	91.8	232.0	39.0	9.1	176.0	128.2	250.0	4.0	93.3
29	Aspen .....	129.5	124.7	3.7	81.5	66.6	120.8	130.7	35.7	16.0	95.1	116.5	250.0	5.0	72.7
30	Colorado Springs .....	159.9	115.7	27.7	73.4	63.5	99.1	114.6	43.6	.....	88.6	120.8	450.0	1.9	70.8
31	Denver (Dist. No. 1) .....	.....	.....	.....	.....	48.9	89.5	.....	.....	.....	.....	.....	.....	.....	.....
32	Leadville .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Pueblo (Dist. No. 1) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Bridgeport .....	.....	104.8	.....	74.7	71.3	172.0	.....	40.0	5.1	96.3	128.9	386.7	3.6	82.9
35	Bristol .....	.....	.....	0	.....	89.6	.....	.....	32.8	9.1	109.9	130.3	116.7	8.3	92.0
36	Hartford .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Meriden .....	145.0	112.9	22.3	71.8	63.6	125.9	142.1	31.0	11.6	101.2	143.8	350.0	6.1	65.9
38	Middletown .....	136.3	91.9	91.9	70.3	76.4	136.5	106.2	34.8	12.9	83.5	145.7	227.5	8.3	.....
39	New Britain .....	138.0	77.8	43.1	57.4	73.8	144.8	173.8	34.5	8.9	103.3	116.5	319.6	8.3	.....
40	New Haven .....	141.2	134.9	4.4	93.7	69.5	.....	.....	35.0	6.6	.....	.....	.....	4.7	84.2
41	New London .....	153.1	113.4	25.9	86.4	76.2	147.8	137.6	27.2	12.1	120.6	139.7	202.5	4.5	84.5
42	Norwich .....	179.2	145.5	18.8	79.3	54.5	98.2	142.9	34.8	10.7	121.9	154.0	166.7	.....	.....
43	Rockville .....	135.1	106.7	21.6	67.6	63.3	126.0	134.5	32.5	5.0	.....	116.8	406.0	8.6	87.6
44	South Norwalk .....	.....	.....	4.7	61.2	76.0	136.7	110.2	33.9	7.7	.....	.....	.....	5.3	92.8
45	Stamford .....	76.7	43.7	43.1	23.2	64.6	129.1	56.4	28.3	5.6	.....	.....	.....	12.2	77.8
46	Thompsonville .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.2	96.2
47	Williamsville .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	Deadwood .....	138.6	130.7	11.1	.....	87.5	175.0	.....	.....	.....	.....	85.7	150.0	12.5	96.0
49	Fargo .....	115.6	88.8	23.2	49.2	55.4	98.9	86.9	30.5	4.3	135.9	.....	242.0	5.6	81.5
50	Grand Forks .....	138.8	124.5	10.3	75.5	60.6	106.7	132.6	30.3	12.5	67.8	138.0	316.0	6.3	78.8
51	Sioux Falls .....	.....	.....	.....	.....	73.7	122.4	.....	37.9	3.7	.....	.....	.....	6.6	77.9
52	Yankton .....	.....	.....	13.0	.....	.....	.....	.....	.....	7.1	.....	121.7	200.0	4.8	.....
53	New Castle .....	112.3	104.8	6.6	66.1	63.0	126.3	132.5	39.4	11.1	85.6	129.6	153.3	7.8	79.5
54	Wilmington .....	.....	.....	.....	.....	63.3	135.1	.....	37.1	1.2	.....	127.6	318.1	2.8	82.1
55	Washington (white schools prin-	117.6	104.4	11.2	80.7	77.4	140.8	146.9	39.8	14.1	101.4	125.7	327.4	5.1	84.6
56	Washington (colored schools) .....	90.4	86.7	4.1	66.8	77.0	136.6	118.3	42.6	11.1	61.1	91.5	374.5	3.7	74.8

\* This report covers the five central school districts only.

\* Statistics of 1887-88.



TABLE 20. — Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	Ratio of total public and private school enrollment to population 6-14.		Ratio of private-school enrollment to population 6-14.		Ratio of average daily attendance in public day-schools to—		7	8	9	10	Number of seats or sittings for study to each 100 of—		Average number of sittings to a building.		High schools.		
		Per ct.	Per ct.	Per ct.	Per ct.	Population 6-14.	Enrollment.					Population 6-14.	Average daily attendance.			Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.
57 Palatka.....	FLORIDA.	110.2	108.1	9.8	9.8	87.0	70.8	93.5	Days.	52.5	53.9	89.1	94.7	422.5	122.5	Per ct.	Per ct.	Per ct.
58 Pensacola.....		87.8	76.3	13.2	13.2	63.9	74.0	122.9		35.1	32.0	57.9	118.7	250.0	150.8	5.5	0.9	78.6
59 Tampa.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6		35.3	33.3	92.7	132.8	177.8	152.8	5.5	0.9	78.6
60 Americus.....	GEORGIA.	110.2	108.1	1.9	1.9	87.0	87.0	105.3	178.7	52.5	23.5	89.1	94.7	422.5	122.5	6.2	0.9	78.6
61 Athens.....		87.8	76.3	13.2	13.2	63.9	74.0	122.9	86.9	35.1	32.0	57.9	118.7	250.0	150.8	5.5	0.9	78.6
62 Atlanta.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	113.9	35.3	33.3	92.7	132.8	177.8	152.8	5.5	0.9	78.6
63 Augusta.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	138.8	53.3	30.8	57.9	118.7	250.0	150.8	5.5	0.9	78.6
64 Columbus.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	106.8	57.8	21.6	45.5	108.5	400.0	108.5	4.9	1.0	88.9
65 Griffin*.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	106.8	43.3	12.8	58.5	106.4	299.3	106.4	0	0	88.9
66 Macon.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	81.1	37.6	14.3	48.2	110.2	200.0	110.2	1.9	1.9	85.0
67 Rome*.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	81.1	37.6	14.3	48.2	110.2	200.0	110.2	0	0	85.0
68 Savannah.....		87.8	77.3	12.0	12.0	80.6	62.7	103.6	81.1	37.6	14.3	48.2	110.2	200.0	110.2	0	0	85.0
69 Boise City.....	IDAHO.	110.2	108.1	14.5	14.5	83.2	83.2	149.8		45.3	24.8		102.2	625.0	625.0	4.0	0.6	76.9
70 Aurora*.....	ILLINOIS.	124.7	100.2	19.6	19.6	72.5	72.5	139.9	140.2	35.5	8.3	91.5	126.0	353.3	126.0	4.8		93.7
71 Beardstown.....		118.9	102.2	14.0	14.0	89.8	89.8	170.6	174.4	44.0	18.8	100.1	109.1	180.0	109.1	5.2	1.5	92.1
72 Belleville.....		113.0	86.7	23.5	23.5	84.5	84.5	166.4	144.4	42.0	32.7	88.8	121.3	416.6	121.3			
73 Belvidere.....		119.2	110.0	7.7	7.7	76.8	76.8	135.3	120.2	33.8	15.8	77.0	112.8	263.6	112.8	14.1	1.0	
74 Bloomington.....		119.2	110.0	7.7	7.7	76.8	76.8	135.3	120.2	33.8	15.8	77.0	112.8	263.6	112.8	4.8	0.7	91.9
75 Bradwood.....		119.2	110.0	7.7	7.7	76.8	76.8	135.3	120.2	33.8	15.8	77.0	112.8	263.6	112.8	4.8	0.7	91.9

76	Cairo.....	101.5	75.3	25.8	64.8	86.1	139.3	105.0	48.1	7.1	65.8	101.6	164.7	4.3	0.7	81.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
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\*Statistics of 1887-88.









TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	Ratio of total public and private school enrollment to population 6-14.		Ratio of public-school enrollment to population 6-14.		Ratio of private-school enrollment to total public and private school enrollment.		Ratio of average daily attendance in public day schools to—		7	8	9	10	Number of seats or sittings for study to each 100 of—		13	High schools.		
		Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Population 6-14.	Enrollment.					Average daily attendance.	Ratio of enrollment to total public-school enrollment.		Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.	
KENTUCKY—continued.																			
194 Newport .....	77.2	61.1	20.8	38.5	78.6	137.2	137.2	137.2	45.3	12.9	62.5	130.1	550.0	6.1	0.8	Per ct.	81.7		
195 Owensborough .....	115.0	98.8	38.5	6.1	75.7	137.2	137.2	137.2	37.2	14.3	88.4	124.5	312.5	5.3	1.3	Per ct.	78.8		
196 Paducah .....	62.4	57.3	38.5	6.1	75.7	137.2	137.2	137.2	37.2	34.5	57.1	124.5	293.5	5.6	0.7	Per ct.	51.7		
197 Paris .....	54.5	33.7	38.2	24.3	72.2	109.2	109.2	109.2	38.8	16.7	31.3	128.7	300.0	8.9	0.3	Per ct.	51.7		
LOUISIANA.																			
198 New Orleans* .....	82.2	49.4	39.9	30.4	61.4	111.8	111.8	111.8	38.8	16.2	36.6	120.5	372.5	1.5	.....	.....	94.5		
MAINE.																			
199 Auburn* .....	104.3	104.3	0.	90.3	86.6	155.9	155.9	155.9	24.0	12.3	121.6	134.6	57.5	10.3	.....	.....	98.8		
200 Augusta .....	154.2	149.1	3.3	91.1	63.1	106.2	106.2	106.2	25.0	.....	150.0	159.4	67.6	7.4	0.3	.....	60.5		
201 Bangor .....	131.4	119.5	9.0	99.3	82.5	144.7	144.7	144.7	40.5	8.1	.....	.....	.....	9.5	1.2	.....	95.5		
202 Bath* .....	173.5	145.6	.....	122.9	84.5	172.3	172.3	172.3	40.5	.....	.....	.....	.....	12.8	.....	.....	93.4		
203 Belfast* .....	125.6	96.6	23.1	62.4	64.8	128.3	128.3	128.3	28.1	20.8	98.4	149.4	96.5	4.9	.....	.....	90.0		
204 Biddeford .....	141.6	128.6	9.1	94.4	73.3	128.3	128.3	128.3	28.1	20.8	98.4	149.4	96.5	7.8	0.9	.....	84.6		
205 Calais .....	142.9	142.9	0.	95.0	65.5	128.3	128.3	128.3	39.3	25.0	145.8	151.6	130.8	6.0	0.7	.....	77.8		
206 Ellsworth .....	130.6	93.1	28.7	59.4	63.8	118.0	118.0	118.0	26.4	9.7	103.6	177.8	140.8	5.1	1.1	.....	89.6		
207 Lewiston .....	144.0	119.3	17.2	87.1	73.0	133.6	133.6	133.6	30.4	6.7	125.2	143.7	331.3	6.7	0.8	.....	87.6		
208 Portland .....	155.7	136.2	12.5	116.7	85.7	137.2	137.2	137.2	40.0	16.1	194.5	166.7	181.8	8.7	1.3	.....	94.5		
209 Rockland .....	.....	.....	.....	.....	.....	.....	.....	.....	23.8	36.0	.....	.....	.....	9.8	2.4	.....	.....		
210 Saco .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
MARYLAND.																			
211 Baltimore .....	93.9	74.2	26.6	60.6	81.4	163.7	163.7	163.7	34.0	10.1	86.7	143.1	542.3	2.4	0.3	.....	89.0		
212 Frederick .....	132.7	95.5	28.0	63.9	73.2	109.1	109.1	109.1	39.2	23.0	99.2	141.8	200.0	.....	0	.....	0		



213	Hagerstown	81.3	68.2	16.1	50.6	74.2	120.4	190.9	34.1	69.8	137.8	400.0	4.9	0.9	87.0
MASSACHUSETTS.															
214	Attleborough	163.0	158.5	2.7	109.1	68.8	120.4	190.9	28.2	2.9	153.2	140.5	4.6	0	95.0
215	Beverly *	120.0	118.9	0.9	37.8	82.3	160.2	106.4	34.0	10.5	131.0	206.0	9.2	0	93.2
216	Boston	127.3	113.7	10.6	101.7	70.7	162.9	186.1	40.9	19.1	137.1	206.0	4.9	0.8	64.8
217	Brookton	160.9	143.9	6.6	109.0	76.5	153.1	216.9	41.6	11.8	137.1	206.0	4.9	0.8	85.9
218	Brookline	151.8	141.7	13.4	104.4	84.9	169.8	208.8	40.5	8.6	137.1	206.0	5.1	0.6	82.7
219	Cambridge	142.1	122.9	7.8	90.7	71.8	153.1	216.9	39.3	12.5	137.1	206.0	6.1	0.6	95.2
220	Chelsea	137.2	126.4	34.1	56.1	59.2	137.9	107.1	36.9	5.4	115.4	163.6	6.7	1.4	86.6
221	Chicopee	145.4	141.7	0.9	112.0	79.5	147.0	207.2	32.1	16.3	137.1	206.0	11.5	2.6	75.5
222	Clinton	122.3	121.2	0.9	85.3	70.4	137.9	107.1	36.9	5.4	115.4	163.6	6.7	1.4	86.6
223	Danvers	143.2	140.9	1.6	107.6	81.2	137.9	207.2	27.4	16.3	137.1	206.0	11.5	2.6	75.5
224	Dedham	132.4	132.4	3.2	119.1	90.0	174.5	230.9	43.3	6.4	131.2	246.6	5.6	1.2	80.9
225	Everett	138.8	132.3	15.1	77.8	71.9	143.6	155.3	37.0	10.5	103.5	256.1	4.6	0.8	73.0
226	Fall River	127.4	108.2	17.7	84.8	69.8	131.1	159.3	35.1	5.9	112.6	186.8	8.6	0.6	65.7
227	Fitchburg	147.7	121.6	6.8	117.6	86.4	166.0	225.3	35.0	4.9	147.0	211.6	6.1	0.8	92.0
228	Glocester	116.1	136.1	6.8	117.6	86.4	166.0	225.3	31.5	8.2	63.9	117.6	4.5	0.8	86.8
229	Haverhill	87.8	66.5	24.2	62.9	94.5	123.9	107.1	30.3	8.9	113.0	326.1	4.1	0.6	87.7
230	Holyoke *	127.8	86.4	32.4	64.8	74.8	137.9	130.0	35.9	15.8	113.0	326.1	4.1	0.6	87.7
231	Hyde Park	125.1	94.3	34.6	78.4	83.5	137.9	130.0	35.9	15.8	113.0	326.1	4.1	0.6	87.7
232	Lawrence	126.1	101.5	19.4	75.4	74.3	135.0	139.4	38.7	99.9	136.1	242.8	6.2	1.1	76.7
233	Lowell	136.9	103.3	24.6	73.4	71.1	135.0	139.4	38.7	99.9	136.1	242.8	6.2	1.1	76.7
234	Lynn	130.5	118.8	8.9	95.4	80.3	156.6	186.0	29.1	8.3	121.6	278.2	5.8	1.1	83.4
235	Malden	133.9	126.3	17.8	86.7	68.6	132.3	107.2	28.1	9.7	129.2	149.1	8.5	0.5	85.2
236	Marblehead	113.4	117.7	2.9	89.9	76.4	144.9	217.8	35.5	16.7	156.7	153.8	8.1	1.8	66.8
237	Marlborough	174.3	149.8	14.2	126.3	84.3	151.9	218.9	35.7	5.4	171.4	112.9	12.3	1.5	66.8
238	Medford	146.0	144.0	1.3	114.0	79.1	130.7	180.9	29.2	10.1	114.2	154.8	8.5	0.9	66.7
239	Milford	160.7	138.4	13.9	105.2	76.0	130.7	180.9	29.2	10.1	114.2	154.8	8.5	0.9	66.7
240	New Bedford	148.1	110.6	25.3	73.8	66.7	133.4	147.6	30.1	12.2	87.5	161.8	7.0	0.7	88.2
241	Newburyport	122.7	83.4	32.1	59.1	70.9	136.0	113.4	33.7	16.8	140.6	132.0	10.1	1.9	86.4
242	Newton	131.3	128.8	5.0	106.5	83.4	124.5	152.2	22.7	6.8	85.9	107.2	4.6	0.7	84.6
243	North Adams	143.7	122.3	14.9	80.1	65.6	124.5	152.2	22.7	6.8	85.9	107.2	4.6	0.7	84.6
244	Northampton	149.7	136.6	8.7	103.3	75.6	154.0	183.0	29.9	8.8	141.0	108.0	5.2	0.8	85.4
245	Peabody	122.2	129.7	8.3	90.5	76.2	138.6	179.7	37.4	11.4	117.7	111.1	4.0	0.7	82.1
246	Pittsfield	141.4	129.7	8.3	90.5	76.2	138.6	179.7	37.4	11.4	117.7	111.1	4.0	0.7	82.1
247	Plymouth	138.2	135.9	1.7	106.6	78.5	138.6	179.7	30.8	13.2	117.7	111.1	9.9	0.9	87.5
248	Quincy	120.4	118.7	1.4	90.1	75.9	138.6	179.7	40.1	12.9	117.7	111.1	9.9	0.9	87.5
249	Salmonville	145.8	99.5	21.5	75.2	75.5	122.8	201.0	31.4	8.3	107.4	280.1	6.5	1.2	88.6
250	Somerville	177.5	163.7	7.8	108.7	66.3	122.8	201.0	31.4	8.3	107.4	280.1	6.5	1.2	88.6
251	Southbridge	136.0	95.8	29.6	60.3	63.0	112.8	108.0	26.5	6.7	79.3	81.3	5.4	0.3	74.8
252	Spencer	144.8	142.8	14.6	101.9	71.4	143.1	172.6	35.9	8.2	117.9	208.4	5.7	1.0	84.5
253	Springfield	146.9	120.5	17.9	90.2	74.9	143.1	172.6	32.5	8.2	117.9	208.4	5.7	1.0	84.5
254	Stonemham	150.9	150.9	11.6	116.4	77.1	154.3	232.9	30.7	7.7	145.6	125.0	8.5	2.2	79.6
255	Taunton	135.3	129.1	3.4	102.4	79.3	154.3	232.9	35.6	12.1	145.6	125.0	8.5	2.2	79.6
256	Waltham	138.3	99.7	27.9	70.2	79.5	154.3	232.9	31.7	15.3	117.3	181.8	9.3	0.7	82.4
257	Watertown	151.9	111.5	26.6	85.1	76.4	150.4	167.7	29.1	16.7	117.3	181.8	9.3	0.7	82.4
258	Westfield	125.9	123.6	1.7	93.7	77.4	154.7	191.3	31.4	16.7	117.3	181.8	9.3	0.7	82.4
259	Weymouth	161.1	158.9	1.3	133.1	90.1	173.8	276.1	38.1	16.7	202.5	140.4	8.6	1.2	94.2
260	Woburn	141.0	112.7	20.1	83.1	73.6	147.9	166.8	37.6	10.2	106.4	125.0	8.0	1.2	96.8
261	Worcester	142.2	123.8	15.4	87.8	70.9	141.8	175.6	33.3	8.3	117.6	133.9	8.2	0.6	60.0

\* Statistics of 1887-88.



TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	2	3	4	Ratio of average daily attendance in public day schools in—		7	8	9	10	Number of seats or sittings for study to each 100 of—		13	High schools.			Ratio of average daily attendance to enrollment.
					Population 6-14.	Enrollment.					Population 6-14.	Average daily attendance.		Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Per ct.	
	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Days.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
262 Adrian	138.0	110.9	110.9	19.6	73.1	65.9	138.7	29.5	29.5	9.1	138.9	190.1	358.8	10.8	0.6	73.4	.....
263 Alpena	139.7	87.9	87.9	37.1	56.8	64.6	176.9	36.5	36.5	15.6	57.1	100.5	137.5	5.2	0.9	78.7	.....
264 Ann Arbor	134.8	119.7	119.7	11.3	93.1	77.8	147.9	34.1	34.1	19.6	108.9	145.0	475.0	30.7	4.1	75.0	.....
265 Battle Creek	130.0	107.1	107.1	17.6	75.0	70.1	136.5	32.8	32.8	5.0	91.8	145.7	405.0	7.2	.....	84.3	.....
266 Bay City	128.0	89.5	89.5	30.1	63.1	70.4	133.9	34.3	34.3	.....	132.5	139.1	145.1	6.6	0.5	74.6	.....
267 Big Rapids	141.8	141.8	141.8	0	80.5	56.8	157.9	30.9	30.9	12.0	132.5	139.1	145.1	5.5	0.4	74.9	.....
268 Cadillac	144.7	144.7	144.7	0	95.2	65.8	176.9	36.8	36.8	15.8	132.5	139.1	145.1	5.5	0.4	74.9	.....
269 Cheboygan	112.5	67.9	67.9	39.5	42.7	62.7	129.4	33.0	33.0	25.0	143.7	120.5	290.0	11.5	1.1	80.0	.....
270 Coldwater	158.2	158.2	158.2	0	119.3	75.4	231.3	37.7	37.7	13.0	143.7	120.5	290.0	3.8	.....	72.6	.....
271 Detroit	90.4	61.6	61.6	31.9	43.8	71.2	142.3	38.8	38.8	4.8	54.5	124.4	341.4	6.4	0.6	83.3	.....
272 East Saginaw	105.5	90.0	90.0	14.7	68.8	76.4	132.1	35.2	35.2	6.7	85.9	124.8	341.4	6.4	0.6	83.3	.....
273 Escanaba	135.8	70.8	70.8	47.9	43.9	62.1	124.2	37.9	37.9	8.3	65.1	148.0	216.7	8.6	1.4	67.2	.....
274 Flint	211.9	181.6	181.6	14.3	136.3	75.0	273.1	37.4	37.4	2.6	186.9	138.0	265.6	17.8	.....	61.1	.....
275 Grand Haven	134.2	131.6	131.6	1.9	97.4	74.0	195.1	37.4	37.4	11.1	125.0	125.8	200.0	4.4	0.9	78.6	.....
276 Grand Rapids	148.5	121.5	121.5	16.2	89.4	71.9	172.5	34.3	34.3	3.6	112.5	125.8	407.6	7.1	0.4	70.7	.....
277 Ionia	123.0	123.0	123.0	.....	75.3	74.7	143.3	31.6	31.6	13.2	112.5	125.8	407.6	7.1	0.4	70.7	.....
278 Kalamazoo	147.2	147.2	147.2	8.0	104.3	61.2	116.7	51.7	51.7	10.0	157.7	151.2	275.0	2.7	.....	70.3	.....
279 Jackson	113.6	113.6	113.6	13.7	89.1	70.9	135.0	32.3	32.3	6.4	104.3	117.1	313.4	7.5	1.3	88.9	.....
280 Lansing	123.8	123.8	123.8	.....	78.2	78.4	164.5	38.3	38.3	4.4	104.3	117.1	313.4	7.5	1.3	88.9	.....
281 Ludington	147.0	147.0	147.0	.....	78.2	78.4	164.5	38.3	38.3	4.4	104.3	117.1	313.4	7.5	1.3	88.9	.....
282 Manistee	129.1	129.1	129.1	.....	70.0	71.3	137.8	40.5	40.5	6.2	150.2	143.3	300.0	4.7	0.3	73.9	.....
283 Marquette	150.3	119.5	119.5	20.7	94.4	59.7	137.8	37.1	37.1	12.0	150.2	143.3	300.0	3.9	0.6	68.2	.....
284 Marshall	150.3	119.5	119.5	20.7	94.4	59.7	137.8	37.1	37.1	12.0	150.2	143.3	300.0	3.9	0.6	68.2	.....
285 Menominee	114.4	114.4	114.4	46.9	38.1	78.9	181.1	27.5	27.5	13.0	184.4	195.4	236.0	10.4	1.9	85.0	.....
286 Monticello	114.4	114.4	114.4	46.9	38.1	78.9	181.1	27.5	27.5	13.0	184.4	195.4	236.0	10.4	1.9	85.0	.....
287 Monroe	114.4	114.4	114.4	46.9	38.1	78.9	181.1	27.5	27.5	13.0	184.4	195.4	236.0	10.4	1.9	85.0	.....
											60.1	157.5	157.5	12.3	0.4	71.6	.....

288	Mount Clemens*	96.0	14.8	58.3	118.0	34.9	.....	124.1	280.1	3.8	0.4	87.7
289	Muskegon	81.2	30.0	67.2	129.1	41.9	6.7	159.3	250.0	5.5	.....	82.4
290	Negaunee*	130.6	13.8	68.2	122.4	28.2	14.3	150.3	181.0	9.3	0.4	76.6
291	Niles	137.8	0	74.6	148.2	36.1	16.7	179.2	203.3	11.5	1.7	82.0
292	Owosso*	137.8	27.1	61.2	117.5	35.7	2.7	91.3	151.5	4.1	0.5	73.5
293	Pontiac	163.3	98.3	77.9	138.0	39.3	.....	125.0	333.3	5.4	1.0	92.8
294	Port Huron	98.3	27.1	61.2	117.5	35.7	2.7	91.3	151.5	4.1	0.5	73.5
295	Saginaw	160.7	6.3	80.4	100.2	33.5	11.1	168.6	131.4	2.3	0.1	74.7
296	West Bay City	160.7	6.3	80.4	100.2	33.5	11.1	168.6	131.4	2.3	0.1	74.7
297	Wyandotte	102.0	32.3	65.5	127.3	37.7	9.0	32.5	203.3	11.1	1.7	73.8
298	Ypsilanti	112.7	91.9	69.8	139.9	30.7	23.8	104.1	250.0	10.9	.....	80.2
MINNESOTA.												
299	Anoka	136.3	8.5	73.0	131.3	39.2	15.8	135.0	180.6	7.1	0.7	76.5
300	Brainerd	.....	2.0	62.9	.....	38.4	9.5	.....	175.0	4.1	0.2	64.0
301	Brookston	.....	0	54.2	98.5	38.4	23.0	.....	181.2	7.2	0	50.0
302	Duluth	.....	15.1	133.1	133.1	30.4	14.3	.....	133.9	4.5	0.3	77.2
303	Faribault	.....	26.0	70.2	122.9	31.7	13.0	.....	113.2	6.7	0.8	72.5
304	Marquette	.....	32.5	75.5	134.3	39.4	15.6	.....	111.2	285.0	5.9	0.3
305	Minneapolis	.....	.....	73.7	132.9	36.1	5.8	.....	130.6	405.7	5.9	0.4
306	Red Wing	.....	13.3	70.6	124.8	30.9	8.0	.....	216.6	440.0	5.7	.....
307	Rochester	.....	.....	68.8	.....	29.0	4.3	.....	134.9	225.0	0.6	.....
308	St. Cloud	100.0	35.7	90.8	167.1	37.2	13.6	102.7	113.1	120.0	2.1	0.2
309	St. Paul	.....	15.2	76.4	135.3	25.1	14.5	.....	177.9	475.7	5.9	0.6
310	Stillwater	.....	.....	76.9	.....	30.6	7.1	.....	152.2	279.4	7.0	0.4
311	Winona	88.4	26.5	73.5	143.8	37.0	16.1	89.0	136.9	3.3	0.4	96.5
MISSISSIPPI.												
312	Columbus	.....	5.4	76.0	121.5	35.9	23.1	.....	400.0	.....	.....	.....
313	Jackson	.....	19.4	.....	.....	.....	.....	136.7	540.0	3.9	0	90.0
314	Meridian	.....	30.5	54.1	97.3	26.1	8.0	.....	.....	3.2	0.6	80.5
315	Natchez	56.8	31.8	56.9	93.9	36.1	7.4	47.2	432.8	1.7	0.5	86.7
316	Vicksburg	46.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MISSOURI.												
317	Boonville	82.3	.....	56.5	124.8	39.8	.....	82.7	233.3	4.9	0.3	71.3
318	Brookfield	81.1	63.0	77.7	139.8	49.7	18.2	87.6	139.1	4.9	0.3	71.3
319	Buller	126.5	2.4	82.3	115.9	43.6	16.7	107.1	130.0	226.7	4.2	1.1
320	Cape Girardeau	67.0	.....	45.5	67.8	51.0	.....	137.5	336.0	.....	.....	.....
321	Carrollton	142.7	5.9	117.3	157.3	21.1	44.8	25.0	135.5	115.2	12.6	1.3
322	Cardiff	117.5	5.6	85.0	127.3	44.3	15.4	92.1	108.5	312.5	.....	71.8
323	Chillicothe*	124.2	10.9	63.5	99.7	99.6	27.8	98.3	185.0	200.0	9.1	61.2
324	Columbia*	134.2	19.3	68.1	124.7	40.1	15.0	124.5	146.3	585.0	7.1	89.2
325	Columbia*	146.7	47.3	74.1	114.3	88.5	41.4	69.3	120.9	350.0	.....	.....
326	De Soto*	91.1	86.6	78.9	125.8	52.6	20.0	135.1	171.1	450.0	.....	.....
327	Hamilton	122.5	9.4	67.6	119.6	39.7	9.5	96.9	129.2	350.0	8.5	4.4
328	Independence	136.9	12.8	76.6	111.7	43.9	14.3	89.8	117.8	342.7	3.9	53.3
329	Jefferson City*	72.5	53.6	74.0	127.1	92.1	41.3	67.5	125.9	293.3	.....	.....
330	Johnston	138.3	.....	79.3	89.4	28.0	23.1	98.1	123.8	180.0	1.1	72.8
331	Kansas City	74.2	.....	63.1	117.1	87.0	42.0	.....	.....	4.7	0.5	87.2
332	Lexington	66.5	28.1	63.7	113.7	36.1	13.6	59.7	136.6	14.2	1.7	.....
333	.....	92.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* Statistics of white schools only.

\* Statistics of 1887-88.

TABLE 20. — Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	2	3	4	Ratio of average daily attendance in public day schools to—		7	8	9	10	Number of seats or sittings for study to each 100 of—		13	High schools.		
				Population 6-14.	Enrollment.					Population 6-14.	Average daily attendance.		Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.
1	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Days.	Number of pupils in average daily attendance to each teacher.	Proportion of males in entire supervising and teaching force.	Population 6-14.	Average daily attendance.	Average number of sittings to a building.	Per ct.	Per ct.	Per ct.
MISSOURI—continued.															
232 Louisiana.....	116.7	100.8	13.5	68.4	65.9	79.1	79.7	48.3	21.4	103.0	155.8	490.0	.....	.....	.....
331 Marshall.....	130.4	137.9	8.3	83.4	70.9	123.5	148.7	39.1	.....	107.2	125.6	327.3	8.3	0.4	77.2
335 Maryville.....	154.1	123.4	16.0	83.6	72.2	127.0	175.2	40.8	17.6	111.9	123.6	223.5	11.6	0.4	78.1
336 Mexico*.....	84.9	123.4	15.1	83.6	64.6	116.3	150.2	42.4	27.8	105.3	126.0	480.0	9.8	.....	68.1
337 Nobler.....	161.2	151.0	6.3	91.6	69.2	108.6	78.3	46.9	15.0	161.8	123.8	262.7	6.6	1.2	90.9
338 Nevada.....	129.5	135.4	3.3	74.9	59.8	94.6	142.9	47.1	13.0	106.6	116.3	420.0	4.8	0.9	81.7
339 Rich Hill.....	141.1	37.7	73.2	32.2	85.5	93.3	116.8	50.0	26.6	53.5	71.4	166.6	5.6	0.9	83.2
340 St. Charles.....	56.8	47.2	14.9	32.4	67.0	165.8	62.5	34.3	.....	48.2	129.5	170.0	7.8	0.4	80.3
341 St. Joseph.....	120.3	83.7	30.4	61.5	77.0	131.4	110.0	41.8	6.8	75.5	117.1	468.2	3.7	0.2	71.8
342 St. Louis.....	115.5	83.7	30.4	61.5	77.0	131.4	110.0	41.8	6.8	94.5	117.1	268.8	5.1	.....	86.6
343 Sedalia*.....	196.8	176.8	10.3	106.6	60.3	96.5	170.5	53.7	21.1	126.4	118.6	346.7	8.9	0.4	65.3
344 Springfield.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	501.5	.....	.....	.....
345 Trenton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	233.3	.....	.....	.....
346 Warrensburg*.....	59.1	32.1	45.7	23.7	70.0	124.5	131.5	44.6	.....	82.8	112.2	205.0	0	.....	.....
347 Washington*.....	.....	.....	.....	.....	89.4	170.2	54.7	45.6	57.1	36.9	128.5	.....	.....	.....	.....
MONTANA.															
348 Butte City.....	.....	.....	8.4	.....	60.5	114.2	.....	39.5	9.1	.....	134.2	134.5	3.2	0.3	75.3
NEBRASKA.															
349 Beatrice.....	136.4	121.8	10.7	71.2	58.4	102.2	124.5	32.6	15.6	102.0	143.3	200.0	3.1	0.4	71.1
350 Fremont.....	156.5	143.9	7.8	99.5	69.2	128.8	185.2	39.3	7.4	146.6	147.2	250.0	5.9	1.1	81.6
351 Grand Island.....	125.5	119.2	4.5	81.7	67.0	134.0	159.6	35.8	16.7	107.2	131.2	151.1	5.7	1.2	70.0
352 Hastings.....	152.3	134.8	11.5	87.0	64.5	103.1	139.0	39.6	3.8	121.4	139.6	276.0	4.7	0.9	71.2
353 Kearney.....	.....	115.1	.....	73.7	64.0	112.7	129.7	32.3	7.4	95.4	129.5	161.3	6.2	0.8	63.5



354	Lincoln	88.2	61.3	69.5	119.5	105.5	41.2	76.9	125.5	276.0	4.0	0.4	79.9	
355	Nebraska City	126.1	12.9	70.4	132.6	146.1	35.3	81.4	104.9	160.0	5.8	0.8	96.2	
356	Omaha	140.9	77.5	66.9	127.9	148.0	32.0	100.5	129.7	212.8	3.9	0.4	75.7	
357	Plattsmouth	133.2	79.0	66.3	119.5	142.3	34.3	4.1			4.9			
NEVADA														
358	Carson City	125.7	85.8	70.9	117.3	142.0	41.9	9.1	120.1	139.9	215.0	16.1	1.2	74.3
359	Eureka	108.7	64.6	59.4	112.9	122.7	53.1	23.0	86.8	134.4	500.0	9.6		
360	Gold Hill	97.7	69.1	71.5	137.2	132.6	43.5	18.2	97.2	140.7	183.3	11.9	1.8	72.3
361	Virginia City	149.9	80.1	71.9	142.3	138.5	47.2	20.0	119.7	149.4	337.5	4.8	1.1	91.3
NEW HAMPSHIRE														
362	Concord		11.9	75.7	118.0		38.0	5.1			12.3	2.3	70.2	
363	Dover*	127.9	68.8	75.6	137.0	124.6	27.2	4.9	90.0	130.9	76.8	9.0		89.3
374	Keene	158.1	100.6	84.4			21.4	4.7			10.2	0.7	74.0	
365	Manchester			67.3			32.9	11.5			6.9	1.2	68.5	
366	Nashua	103.6	73.6	71.0	116.8	121.0	29.9	7.8	102.9	139.9	131.1	7.0	0.9	92.8
367	Portsmouth		73.2	66.3	123.6	136.5	25.9	20.0	128.8	176.0	136.7	8.6	1.1	88.5
368	Rochester	110.4	72.6				26.1	12.5			11.6	1.8	75.9	
NEW JERSEY														
369	Atlantic City	109.7	77.7	70.8	127.5	139.8	38.1	2.9	110.2	141.9	460.0	2.8	0.3	88.5
370	Bayonne	119.0	55.7	46.8	94.1	111.9	27.7		88.6	159.1	374.2			
371	Bordentown*	91.8	37.6	57.3			27.6	15.4	80.0	212.8	382.0			
372	Bridgeton*	114.8	66.3	66.0			37.2	9.6	92.4	139.4	402.2			
373	Burlington*	111.8	44.5	52.2			31.6	6.2	92.4	207.5	175.0			
374	Camden	113.6	48.5	51.7	103.2	97.1	32.2		66.2	133.2	464.0	0	0	
375	Elizabeth	104.4	50.2	71.0	134.9	95.3	46.3	7.1	53.2	105.9	506.7	2.6	0.4	89.4
376	Gloucester City	128.5	34.1	54.0	109.6	92.8	47.5							
377	Hackensack	123.4	79.9	71.1	156.8	93.4	38.8	27.8	141.7	177.4	413.3			
378	Harrison	149.4	50.8	78.4			52.7	27.3	43.0	86.2	500.0	2.5	0.3	87.7
379	Hoboken	71.5	39.4	62.2	124.5	80.6	39.3		43.4	107.9	637.0	2.8	0.3	65.5
380	Jersey City	81.2	20.3				42.8		43.4		228.3			
381	Lambertville*	109.0	51.3	63.8	124.4	107.8	39.4	7.7	99.4	152.2	237.1	4.2	0.6	
382	Long Branch	91.5	5.3	69.7	133.3	186.8	32.7	21.2	86.9	134.9	161.6	4.1		86.9
383	Millville*	129.2	5.7	64.9	129.4	145.5	31.7	11.4	114.5	161.6	314.0	12.4	0.9	72.6
384	Montclair	140.5	74.9	66.4	129.4	145.5	32.7	9.1	105.6	141.5	443.0	6.2		96.7
385	Morristown	128.8	61.6	76.3	132.2	136.8	36.8	10.0	74.9	121.7	231.3	5.9	0.4	73.3
386	Mount Holly	108.1	59.9	64.6	130.4	121.0	32.8	13.3	84.5	140.9	379.7	8.7	0.5	80.7
387	New Brunswick	68.9	51.5	74.8	145.9	100.5	36.5	4.0	67.0	127.2	519.4	3.4	0.4	76.6
388	Newark	75.3	50.9	67.6	128.5	96.8	42.4	8.0	49.4	121.3	387.5	3.4	0.7	85.5
389	Orange	117.4	46.2	64.5	129.8		38.7	5.6	75.7	227.3	294.0	4.9	0.7	87.5
390	Passaic	82.7	27.2	59.5	144.0	119.0	35.9	5.0	73.7	127.3	294.0	4.9	0.7	87.5
391	Paterson	112.8	59.6	61.9	123.8	113.1	35.6	7.4	70.9	115.1	597.1	4.2	0.5	58.2
392	Perth Amboy*	107.4	37.1	60.0			42.4	10.9	43.8	117.9	250.0			
393	Phillipsburgh	108.5	75.0	91.2	182.5	150.1	40.7	9.4	102.4	130.4	287.0	5.9	1.0	92.6
394	Plainfield	116.2	70.6	74.7	143.7	142.5	30.7	5.0	101.1	143.3	325.8	6.4	0.9	86.4
395	Railway	129.7	65.3	60.6	115.1	124.0	34.6	19.0	105.5	161.6	293.8			
396	Salem	130.3	81.6	70.4			31.2	12.5	162.3	202.3	4.8	0.7	89.6	
397	Trenton	105.1	54.7	68.7	133.2	106.5	36.9		70.3	255.2	4.8	0.3	87.6	
398	Woodbury*	121.8	64.1	57.1			32.7	6.7	82.2	128.3	105.1			

\* Statistics of 1887-88.

TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	Ratio of total public and private school enrollment to population 6-14.		Ratio of public-school enrollment to total public and private-school enrollment.		Ratio of average daily attendance in public day schools to—		Average number of days' attendance of each pupil enrolled.		Total attendance is equivalent to attendance of entire population 6-14 for—		Number of pupils in average daily attendance to each teacher.		Proportion of males in entire-schooling and teaching force.		Population 6-14.		Average daily attendance.		Average number of sittings to a building.		High schools.			
		Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Days.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.	
Albany	399	105.1	76.9	26.9	56.0	72.9	136.9	105.2	136.9	105.2	39.7	8.8	69.6	124.3	517.0	4.8	0.5	124.3	517.0	4.8	0.5	Per ct.	Per ct.	Per ct.	85.4
Albion	400	149.2	131.1	11.5	79.7	60.4	118.1	155.8	118.1	155.8	28.7	10.5	60.8	204.2	176.0	13.9	2.5	204.2	176.0	13.9	2.5	Per ct.	Per ct.	Per ct.	63.9
Amsterdam	401	111.2	80.5	27.3	51.2	63.6	128.4	103.1	128.4	103.1	36.1	13.5	60.8	118.8	250.0	10.4	5.0	118.8	250.0	10.4	5.0	Per ct.	Per ct.	Per ct.	83.4
Auburn	402	136.5	101.2	30.8	80.0	79.1	153.8	155.7	153.8	155.7	29.2	5.1	114.9	141.1	180.0	12.5	0.9	141.1	180.0	12.5	0.9	Per ct.	Per ct.	Per ct.	83.4
Batavia	403	137.8	122.9	35.8	80.8	65.8	128.4	135.7	128.4	135.7	40.5	6.9	89.8	111.1	180.0	10.4	1.2	111.1	180.0	10.4	1.2	Per ct.	Per ct.	Per ct.	64.3
Binghamton	404	140.4	126.4	9.9	97.7	77.3	146.0	184.6	146.0	184.6	35.8	6.9	127.4	130.4	93.3	6.7	0.9	130.4	93.3	6.7	0.9	Per ct.	Per ct.	Per ct.	71.7
Brookport	405	140.4	61.0	19.7	35.6	58.4	113.1	69.0	113.1	69.0	30.0	0	55.5	159.6	93.3	1.9	0.1	159.6	93.3	1.9	0.1	Per ct.	Per ct.	Per ct.	60.9
Brooklyn	406	100.1	77.4	28.1	51.0	65.8	132.6	102.7	132.6	102.7	43.1	3.8	57.6	113.1	915.2	2.1	0.3	113.1	915.2	2.1	0.3	Per ct.	Per ct.	Per ct.	85.3
Buffalo	407	142.9	112.4	21.1	76.9	68.9	129.6	145.6	129.6	145.6	30.7	11.5	114.4	147.7	190.0	9.7	0.1	147.7	190.0	9.7	0.1	Per ct.	Per ct.	Per ct.	63.2
Canandaigua	408	175.1	169.3	3.3	111.2	65.7	134.1	227.0	134.1	227.0	36.0	23.5	159.3	143.3	412.7	7.8	0.2	143.3	412.7	7.8	0.2	Per ct.	Per ct.	Per ct.	77.2
Catskill	409	91.9	67.3	26.7	40.8	60.6	120.7	81.3	120.7	81.3	34.4	1.9	53.8	131.8	214.5	3.4	0.2	131.8	214.5	3.4	0.2	Per ct.	Per ct.	Per ct.	48.8
Cohoes	410	96.6	79.8	17.3	54.5	63.2	133.0	106.2	133.0	106.2	40.3	23.1	76.2	134.0	196.2	22.0	0	134.0	196.2	22.0	0	Per ct.	Per ct.	Per ct.	63.8
College Point	411	145.5	87.5	9.4	55.5	65.0	122.1	106.8	122.1	106.8	39.1	6.2	104.5	171.5	650.0	7.1	0.9	171.5	650.0	7.1	0.9	Per ct.	Per ct.	Per ct.	77.7
Cortland	412	145.5	97.3	33.2	60.9	62.6	120.9	117.6	120.9	117.6	24.5	16.7	73.5	115.8	521.3	4.8	0.7	115.8	521.3	4.8	0.7	Per ct.	Per ct.	Per ct.	65.2
Dansville	413	123.3	88.2	28.4	63.5	71.9	136.8	120.7	136.8	120.7	23.7	4.8	132.6	126.2	590.0	18.4	0.7	126.2	590.0	18.4	0.7	Per ct.	Per ct.	Per ct.	60.0
Dunkirk	414	166.2	143.7	13.5	105.1	73.2	142.7	205.0	142.7	205.0	31.7	9.7	69.0	150.1	207.5	19.8	1.4	150.1	207.5	19.8	1.4	Per ct.	Per ct.	Per ct.	85.4
Edinboro	415	98.1	67.6	31.1	45.9	68.0	129.1	87.2	129.1	87.2	34.5	4.7	144.8	110.9	207.5	7.1	0.7	110.9	207.5	7.1	0.7	Per ct.	Per ct.	Per ct.	84.3
Flushing	416	190.0	190.0	0	139.6	68.8	128.5	244.1	128.5	244.1	45.5	8.7	104.5	102.9	413.0	7.1	0.7	102.9	413.0	7.1	0.7	Per ct.	Per ct.	Per ct.	85.4
Fulton	417	171.0	129.2	24.5	105.3	61.6	157.4	203.1	157.4	203.1	42.0	9.0	128.4	123.9	383.0	6.5	0.7	123.9	383.0	6.5	0.7	Per ct.	Per ct.	Per ct.	84.3
Geneva	418	149.1	148.1	0.7	98.2	66.2	125.2	185.4	125.2	185.4	40.8	13.3	122.9	134.2	433.3	6.5	0.7	134.2	433.3	6.5	0.7	Per ct.	Per ct.	Per ct.	85.4
Gloversville	419	158.6	152.6	3.5	91.6	60.0	118.2	180.5	118.2	180.5	37.2	3.8	69.2	139.6	647.5	4.6	0.4	139.6	647.5	4.6	0.4	Per ct.	Per ct.	Per ct.	84.3
Green Island	420	156.7	156.7	0	123.2	78.4	145.5	227.9	145.5	227.9	36.9	14.8	160.7	130.6	433.3	6.5	0.7	130.6	433.3	6.5	0.7	Per ct.	Per ct.	Per ct.	85.4
Haverstraw	421	162.1	140.1	13.6	84.9	60.6	117.0	163.8	117.0	163.8	37.2	7.1	113.3	139.6	647.5	4.6	0.4	139.6	647.5	4.6	0.4	Per ct.	Per ct.	Per ct.	84.3
Hoosick Falls *	422	104.1	72.0	30.8	49.6	68.9	137.2	121.4	137.2	121.4	37.2	3.8	69.2	139.6	647.5	4.6	0.4	139.6	647.5	4.6	0.4	Per ct.	Per ct.	Per ct.	85.4
Hornellsville	423	104.1	72.0	30.8	49.6	68.9	137.2	121.4	137.2	121.4	37.2	3.8	69.2	139.6	647.5	4.6	0.4	139.6	647.5	4.6	0.4	Per ct.	Per ct.	Per ct.	84.3
Hudson	424	104.1	72.0	30.8	49.6	68.9	137.2	121.4	137.2	121.4	37.2	3.8	69.2	139.6	647.5	4.6	0.4	139.6	647.5	4.6	0.4	Per ct.	Per ct.	Per ct.	85.4



425	Illon *	166.4	165.4	0	132.5	79.6	155.3	258.4	39.7	5.3	172.9	130.5	492.0	23.7	81.0
426	Ithaca	160.4	131.5	13.0	100.9	76.7			38.8	10.8	134.2	133.0	304.0	19.5	72.3
427	Juneata														
428	Junestown	137.3	125.1	8.9	90.8	72.7	139.8	174.9	28.5	4.4	111.7	123.0	290.9	14.3	57.9
429	Johnstown	137.1	135.1	12.8	80.2	72.5	131.7	175.0	41.7	4.1	137.1	140.0	330.0	7.2	71.0
430	Kingston a	137.0	119.3	19.9	69.3	67.1	128.9	181.0	32.9	17.6	130.7	163.0	397.0	13.8	63.5
431	Lansingburgh	120.9	96.8	13.0	71.9	71.9	136.1	131.7	31.8	5.1	66.3	95.3	275.0	1.4	
432	Little Falls	116.2	104.1	10.4	70.2	67.4	130.0	135.3	31.8	12.0	97.0	138.3	300.5	6.7	90.8
433	Lockport	120.3	102.7	14.6	70.1	71.1	139.1	142.9	34.6		119.8	157.5	454.3	13.5	75.3
434	Long Island City *	109.6	108.5	1.0	76.9	66.3	126.1	136.8	41.3		72.5	100.8	300.0	0	
435	Lyons	150.2	130.2	0	100.0	66.6	127.8	192.1	35.6	17.6	160.2	132.2	800.0	22.0	85.0
436	Malone	137.5	137.5		103.1	55.4	125.5	197.7	37.0	8.0	132.7	155.8	146.0	16.5	65.2
437	Malone	165.8	129.5	21.9	87.3	66.9	133.4	172.7	43.0	10.3	94.5	108.4	520.0		
438	Medina	165.5	162.5	1.8	103.0	63.5	124.9	202.9	33.9	14.3	144.2	140.0	227.5	11.7	74.4
439	Middletown	132.0	125.4	4.6	81.5	64.1	122.6	154.5	38.2	5.4	103.1	126.7	211.1	8.5	50.0
440	Mount Vernon	135.8	121.6	10.5	73.1	80.8			29.7	10.0	94.7	129.6	300.0		
441	New Brighton	106.6	103.0	3.3	71.9	69.8	132.7	136.7	35.4						
442	New Rochelle					64.0			35.4	10.0					
443	New York	134.0	107.9	19.4	69.7	64.5	121.4	131.1	39.3	9.5	92.6	132.9	1,537.8	5.5	98.3
444	Newburgh	128.5	93.6	27.2	66.9	71.5			37.5	14.5	79.4	118.6	461.6	13.1	83.0
445	Newburgh	140.5			111.0	79.0	151.7	213.1							
446	Ogdensburg	114.1	78.5	31.2	50.5	61.4	121.0	197.0	30.6	8.3	150.6	143.6	300.0	11.5	92.9
447	Olean	166.9	162.7	2.5	104.9	73.5	132.4	129.4	35.6	5.6	94.1	142.6	257.1	5.4	69.9
448	Oswego *	123.9	97.7	21.1	70.5	67.5	130.9		24.6	6.7				27.3	73.1
449	Owego *								40.3	10.0					
450	Peekskill	139.3	139.9	53.7	60.0	73.8	130.9	102.0	23.9	11.1	118.1	154.9	144.6		91.6
451	Penn Yan	106.8	106.5	2.1	76.5	44.0	83.1	149.1	34.9	5.9	136.5	138.5	250.0	9.6	74.3
452	Plattsburgh	137.8	132.4	3.9	98.5	74.4	140.7	186.2	30.8	14.3	71.5	127.9	518.0	0	74.7
453	Port Chester								39.7	5.7	103.3	109.0	300.0	11.1	66.3
454	Port Jervis	132.5	131.1	1.0	95.7	73.0	141.9	185.7	30.1	3.0	86.5	124.6	218.8	6.2	85.9
455	Poughkeepsie	118.6	97.1	18.0	69.5	71.5	133.3	129.5	30.1	3.0	86.5	124.6	218.8	3.7	85.0
456	Poughkeepsie	105.7	73.8	30.2	57.0	77.2	149.0	109.9	31.7	3.0	67.0	117.6	473.5	8.1	73.1
457	Reuben	159.0	135.2	15.0	91.3	68.0	126.3	170.7	36.2		122.4	137.1	224.5	6.9	80.2
458	Saratoga Springs	165.4	139.9	3.3	108.9	68.1	128.7	205.8	29.7	10.0	139.2	124.7	237.5		
459	Schenectady	133.8	88.1	34.1	64.9	73.6	139.1	122.6	37.1						65.5
460	Schenectady	149.5	109.7	25.7	79.3	73.3	143.9	157.8	35.8	4.4					88.6
461	Sing Sing	127.1	120.6	5.1	85.0	70.5	136.7	164.9	34.3	8.3	97.1	114.2	300.0	3.1	75.0
462	Syracuse	120.4	98.7	17.8	77.8	78.6	153.3	151.7	36.5	9.2	95.6	122.9	447.4	5.7	
463	Tarrytown *	113.7	113.7		71.1	62.6	119.8	136.1	37.7	14.3	82.3	143.9	780.0	7.2	63.3
464	Tonnawanda *	132.8	101.1	23.9	57.2	56.6	111.0	112.2	41.7	15.4				2.7	86.4
465	Troy *	98.9	72.2	25.0	51.3	69.1	133.4	99.0	30.7	11.6	71.7	109.5	286.1	3.1	83.1
466	Utica *	108.8	90.1	17.2	65.5	72.7	141.7	127.8	28.9	3.7	170.7	173.1	200.0	13.1	80.7
467	Watertown	154.6	141.8	8.3	93.6	69.5	134.7	191.0	32.1	22.2				10.1	1.0
468	Watertown	121.6	111.8	7.9	76.9	68.7	135.3	151.3	27.3	9.9					
469	West Troy	137.6	97.6		56.1	64.0	125.8	110.3	45.6	10.7				6.6	1.3
470	Whitehall	134.5	115.3	15.0	71.2	61.8	124.4	143.4	33.1	5.9	121.1	109.8	180.0	4.6	87.9
471	Yonkers	107.2	68.9	35.8	46.8	68.0	129.2	89.0	36.0	7.8	58.7	125.4	338.3	0.9	77.7
NORTH CAROLINA.															
472	Asheville	97.1	85.4	12.0	67.1	78.5	108.3	92.5	37.5	26.9	85.8	127.9	396.7	0	0
473	Durham	79.3	70.7						40.0						

These figures refer to the Kingston school district, which embraces only about one-half of the entire city.

\* Statistics of 1887-88.

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TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

inhabitants.—Continued.																							
City.	Ratio of total public and private school enrollment to population 6-14.				Ratio of average daily attendance in public day schools to—		Enrollment.		Average number of days' attendance of each pupil enrolled.		Total attendance is equivalent to attendance of entire population 6-14 for—		Number of pupils in average daily attendance to each teacher.		Proportion of males in entire student body and teaching force.		Number of seats or sittings for study to each 100 of—		Average number of sittings to a building.		High schools.		
	Per ct.	Per ct.	Per ct.	Per ct.	Ratio of public-school enrollment to population 6-14.	Ratio of private-school enrollment to total public and private school enrollment.	Population 6-14.	Enrollment.	Average number of days' attendance of each pupil enrolled.	Total attendance is equivalent to attendance of entire population 6-14 for—	Number of pupils in average daily attendance to each teacher.	Proportion of males in entire student body and teaching force.	Population 6-14.		Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	
													Population 6-14.	Ratio of enrollment to total public-school enrollment.									
NORTH CAROLINA—continued.																							
474 Fayetteville.....	161.6	91.6	43.5	60.2	69.2	110.4	124.1	35.8	38.9	21.1	26.7	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
475 Goldsborough.....	96.4	96.4	12.0	43.5	56.2	60.6	90.8	81.2	31.2	44.4	44.4	108.3	119.3	427.3	18.3	0	75.0	0	0	0	0	0	0
476 Greensborough.....	110.6	97.4	43.5	47.3	49.8	77.7	73.8	31.2	31.2	44.4	44.4	108.3	119.3	427.3	18.3	0	75.0	0	0	0	0	0	0
477 New Bern.....	92.8	92.8	43.5	47.3	49.8	77.7	73.8	31.2	31.2	44.4	44.4	108.3	119.3	427.3	18.3	0	75.0	0	0	0	0	0	0
478 Raleigh.....	94.9	94.9	43.5	47.3	49.8	77.7	73.8	31.2	31.2	44.4	44.4	108.3	119.3	427.3	18.3	0	75.0	0	0	0	0	0	0
479 Reidsville.....	94.9	94.9	43.5	47.3	49.8	77.7	73.8	31.2	31.2	44.4	44.4	108.3	119.3	427.3	18.3	0	75.0	0	0	0	0	0	0
480 Winston.....	94.9	94.9	43.5	47.3	49.8	77.7	73.8	31.2	31.2	44.4	44.4	108.3	119.3	427.3	18.3	0	75.0	0	0	0	0	0	0
OHIO.																							
481 Akron.....	129.7	109.0	15.9	90.4	82.9	158.3	172.4	44.1	44.1	6.2	6.2	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
482 Alliance.....	140.4	130.7	6.9	101.8	77.9	145.6	190.4	40.4	40.4	21.4	21.4	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
483 Ashtabula.....	141.7	120.7	15.8	85.2	70.6	131.0	158.0	39.2	39.2	16.7	16.7	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
484 Bellaire.....	122.4	100.1	18.2	68.9	68.9	119.8	120.0	41.1	41.1	9.4	9.4	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
485 Bellefontaine.....	140.6	124.9	11.2	99.7	79.8	143.6	179.4	31.7	31.7	15.0	15.0	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
486 Bucyrus.....	139.3	126.3	9.4	88.3	69.9	129.2	163.2	40.3	40.3	15.0	15.0	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
487 Canton.....	102.3	102.3	.....	74.4	72.8	145.6	148.9	43.8	43.8	7.5	7.5	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
488 Chillicothe.....	102.3	102.3	.....	69.3	81.3	152.2	129.6	39.4	39.4	7.5	7.5	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
489 Cincinnati.....	118.9	81.9	.....	61.0	67.8	148.1	121.4	46.4	46.4	3.5	3.5	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
490 Circleville.....	110.1	89.9	18.3	61.0	67.8	148.1	121.4	46.4	46.4	3.5	3.5	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
491 Cleveland.....	138.7	99.3	28.4	84.0	84.6	162.4	161.3	41.3	41.3	8.6	8.6	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
492 Columbus.....	105.8	79.7	24.6	63.5	79.7	159.8	137.7	35.1	35.1	6.3	6.3	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
493 Dayton.....	107.1	86.2	19.5	68.9	76.4	141.8	137.7	33.5	33.5	4.1	4.1	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
494 Defiance.....	132.0	132.0	33.1	91.1	69.0	127.7	168.6	44.1	44.1	3.4	3.4	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
495 Delaware.....	132.0	132.0	33.1	91.1	69.0	127.7	168.6	44.1	44.1	3.4	3.4	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3
496 Delphos.....	113.8	97.0	14.7	76.6	79.0	142.2	138.0	42.9	42.9	25.0	25.0	108.3	119.3	427.3	18.3	0.7	85.7	7.5	1.1	93.2	1.1	0.6	76.3

497	East Liverpool.....	125.9	108.5	13.8	68.2	62.8	112.4	122.0	37.7	100.0	146.7	251.9	2.1	0.6	87.5
498	Tyler.....	138.9	103.3	25.6	83.5	80.9	156.1	161.3	38.1	106.9	127.6	505.2	17.3	3.0	83.3
499	Findlay *.....	137.9	123.5	10.4	82.1	66.5	122.4	147.8	40.8	107.7	131.3	500.0	4.8	0.8	73.5
500	Fostoria.....	133.3	96.5	27.6	83.5	86.6	118.8	146.1	43.3	105.8	122.7	250.3	3.8	1.0	78.9
501	Fremont.....	140.8	120.9	14.1	92.0	81.8	153.7	165.8	43.2	111.4	126.8	191.7	9.2	0.8	83.3
502	Galion.....	110.3	105.6	4.2	77.5	73.4	125.3	132.4	29.6	107.7	112.6	560.0	3.5	0.9	97.6
503	Gallipolis.....	137.1	107.7	23.1	107.7	68.6	123.4	193.9	34.2	112.3	144.9	171.4	7.0	0.6	73.4
504	Greenville *.....	104.0	73.7	29.1	59.4	80.6	154.0	113.5	37.7	83.1	139.9	412.6	14.0	1.2	70.8
505	Hamilton.....	122.8	107.6	12.1	82.9	77.1	141.8	152.5	31.9	93.8	113.8	369.0	7.2	1.0	89.9
506	Ironton.....	132.1	96.2	17.4	96.2	72.8	154.8	141.2	37.9	9.1	113.8	369.0	4.6	0.7	85.5
507	Kenton.....	106.8	81.4	14.2	81.4	76.2	132.1	141.1	35.7	17.2	145.2	406.7	2.9	0.7	90.0
508	Lancaster.....	105.8	95.2	11.3	95.2	89.9	161.4	170.8	34.2	14.3	148.9	479.0	7.1	1.3	83.6
509	Lincoln.....	111.3	102.2	11.3	88.9	79.9	147.0	163.6	36.8	5.9	156.3	211.4	4.9	0.4	78.5
510	Marietta *.....	128.5	94.3	3.6	79.7	78.0	140.4	143.5	39.2	11.5	138.9	156.3	6.3	1.0	91.8
511	Martin *.....	90.3	90.3	14.0	84.2	67.8	118.6	147.4	45.6	5.0	93.8	111.4	6.3	0.7	86.7
512	Martin's Ferry.....	150.6	123.5	14.0	91.8	70.9	141.7	183.6	34.9	16.0	185.7	433.3	5.4	1.3	89.0
513	Massillon *.....	125.1	112.3	10.3	84.8	75.5	137.5	154.3	33.6	5.3	148.9	216.7	9.7	0.9	83.3
514	Middletown.....	152.8	95.2	25.9	70.5	74.0	145.1	138.3	31.0	10.9	134.8	484.5	3.8	0.5	85.0
515	Mount Vernon *.....	119.8	109.7	8.5	77.9	71.1	127.8	140.2	39.2	19.4	159.0	293.0	5.5	0.5	82.7
516	Newark.....	106.4	89.4	16.0	82.5	73.5	140.2	157.3	41.3	5.3	139.7	216.7	14.5	2.4	89.7
517	Nelsonville *.....	125.1	112.3	22.2	82.5	83.7	165.2	142.4	40.4	6.3	109.7	388.9	14.4	1.7	88.3
518	Norwalk.....	112.1	86.2	23.1	90.4	76.3	130.1	154.2	32.0	16.7	121.4	186.2	11.5	1.5	83.0
519	Palmyra.....	139.7	118.4	15.2	76.0	78.3	148.3	132.7	35.2	75.2	142.2	288.5	2.8	0.6	84.2
520	Painesville.....	113.8	89.5	21.4	69.5	77.7	148.3	132.7	35.0	10.2	126.3	381.2	6.8	1.6	81.9
521	Piqua.....	127.1	83.3	34.5	64.1	77.0	148.6	123.8	35.3	7.0	140.5	288.0	10.9	1.3	86.9
522	Portsmouth.....	110.7	121.2	32.8	56.4	75.9	151.7	112.8	37.7	8.7	154.6	428.6	3.9	0.8	85.5
523	Portway.....	121.2	112.7	6.9	91.8	81.5	159.1	179.2	28.3	26.9	126.9	330.0	10.6	1.1	82.3
524	Ravenna.....	120.2	131.5	15.5	74.0	72.9	132.6	134.7	37.9	33.3	125.8	106.7	11.8	0.6	82.9
525	Shiloh.....	140.0	106.4	10.5	105.4	75.2	129.6	181.5	41.6	13.0	126.5	383.3	10.3	0.6	86.4
526	Shiloh *.....	139.2	133.0	0.9	103.4	75.3	143.8	153.0	36.0	16.0	154.6	383.3	10.4	1.1	86.4
527	Springfield.....	118.1	118.1	0.9	95.9	81.2	162.4	191.8	37.6	7.0	154.6	383.3	12.1	2.5	77.8
528	Staubsville.....	124.5	105.6	15.2	77.7	73.6	142.0	150.0	39.3	17.6	141.6	243.0	8.8	0.3	87.8
529	Tiffin.....	121.4	88.5	27.1	68.3	75.4	156.4	134.5	41.1	8.9	141.6	243.0	3.6	0.3	86.6
530	Troy.....	106.4	86.0	70.8	70.8	82.3	156.4	134.5	36.1	11.6	141.6	243.0	6.4	0.3	90.0
531	Union.....	139.2	133.0	0.9	95.9	81.2	162.4	191.8	37.6	7.0	154.6	383.3	12.1	2.5	77.8
532	Van Wert.....	124.5	105.6	15.2	77.7	73.6	142.0	150.0	39.3	17.6	141.6	243.0	8.8	0.3	87.8
533	Warren *.....	121.4	88.5	27.1	68.3	75.4	156.4	134.5	41.1	8.9	141.6	243.0	3.6	0.3	86.6
534	Washington C. H.....	106.4	86.0	70.8	70.8	82.3	156.4	134.5	36.1	11.6	141.6	243.0	6.4	0.3	90.0
535	Weston.....	139.2	133.0	0.9	95.9	81.2	162.4	191.8	37.6	7.0	154.6	383.3	12.1	2.5	77.8
536	Xenia *.....	124.5	105.6	15.2	77.7	73.6	142.0	150.0	39.3	17.6	141.6	243.0	8.8	0.3	87.8
537	Youngstown.....	121.4	88.5	27.1	68.3	75.4	156.4	134.5	41.1	8.9	141.6	243.0	3.6	0.3	86.6
538	Zanesville *.....	106.4	86.0	70.8	70.8	82.3	156.4	134.5	36.1	11.6	141.6	243.0	6.4	0.3	90.0
539															
540	Astoria.....	134.4	107.8	19.9	76.0	70.4	133.1	143.5	36.1	8.3	100.2	464.3	5.7	0.6	80.1
541	Portland.....	108.6	86.7	21.1	49.7	57.4	107.8	93.4	37.3	23.5	136.7	271.3	5.7	0.6	80.1
542	Salem.....														

\* Statistics of 1887-88.

TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	Ratio of total public and private school enrollment to population 6-14.		Ratio of public-school enrollment to population 6-14.	Ratio of private-school enrollment to total public and private school enrollment.	Ratio of average daily attendance in public day schools to—		Average number of days attendance of each pupil enrolled.	Total attendance is equivalent to population 6-14 for—	Number of pupils in average daily attendance to each teacher.	Portion of males in entire force.	Number of seats or sittings for study to each 100 of—		High schools.			
		Population 6-14.	Enrollment.			Population 6-14.	Average daily attendance.					Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.			
PENNSYLVANIA.																	
543 Allegheny.....		Per ct.	80.0	Per ct.	2.0	Per ct.	44.5	Days.	44.5	Per ct.	12.0	148.8	101.6	665.6	Per ct.	97.1	
544 Allentown.....			74.8		5.6		42.0	144.0	42.0		20.0		127.0	381.8	1.3	0.6	87.4
545 Altoona.....			70.1				38.9	126.1	38.9		12.2		135.1	375.0	3.6	0.2	75.1
546 Ashland.....			70.4				44.6	126.7	44.6		17.4		146.5	375.8	2.9	0.4	90.3
547 Beaver Falls.....			72.6				37.4	116.4	37.4		5.7		117.8	375.0	4.3	1.2	91.3
548 Bellefonte.....			79.7				42.2	127.6	42.2		20.0		131.3	387.5	1.9	0.3	78.1
549 Bethlehem.....			72.9				49.7	144.3	49.7		21.4		124.3	432.5	5.8	1.1	87.3
550 Bloomsburg.....			72.7				32.1	144.3	32.1		6.2		101.6	450.0			
551 Bradport.....			89.0				52.1	170.2	52.1		5.9		127.0	271.4	4.2	1.1	71.4
552 Bradford.....			74.5				41.6	134.2	41.6		0		185.6	355.0	8.9	0.8	48.5
553 Bristol.....			62.7				29.0	125.4	29.0		20.6		136.4	355.0	1.6	0	76.0
554 Butler.....			65.8				40.0	104.2	40.0		21.4	149.1	100.0	210.0	7.9	1.6	
555 Carbondale.....			89.2				42.0	178.4	42.0		29.1		138.3	138.3	11.1	1.0	89.8
556 Carlisle.....			87.6				38.5	157.7	38.5		17.1		145.5	250.0	7.2	0.5	81.9
557 Chambersburg.....			69.8				43.1	130.3	43.1		13.5	144.4	180.8	332.0	4.1	0.3	86.7
558 Columbia.....			82.6				41.5	140.3	41.5		17.6		142.8	300.0	6.4	0.9	54.5
559 Connellsville.....			63.5				43.1	101.7	43.1		9.1		150.5	177.8	4.6	1.1	96.1
560 Corry.....			69.2				40.0	138.5	40.0		13.3		169.7	280.0	10.8	1.8	
561 Conshohocken.....			74.9				45.8	134.9	45.8		26.3		108.1	144.4	4.0	0.9	88.1
562 Danville.....			79.1				50.1	136.0	50.1		4.2	121.5	156.3	244.3	2.5		
563 Du Bois.....			68.8				32.9	96.3	32.9		17.5		122.4	396.3	5.7	0.4	73.7
564 Dunmore.....			73.3				30.6	146.3	30.6		4.5		109.9	325.0	6.5	1.2	84.3
565 Easton.....			77.4				42.3		42.3		22.7		131.6	455.0			
566 Erie.....			75.9				33.5		33.5								
567 Franklin.....			83.9				42.3		42.3								
568 Greenville.....			81.6				33.5	122.5	33.5								



570	Harrisburg	8.3	66.6	130.1	36.7	13.3	151.3	323.8	5.7	73.7
571	Hazleton	20.2	74.4	133.3	43.1	16.7	126.7	328.0	3.7	84.8
572	Honesdale	11.7	83.5	141.3	43.7	23.1	123.3	350.0	19.1	90.0
573	Huntington		76.0	152.7	46.8	16.7			10.5	83.3
574	Johnstown		90.3	136.8	40.7	20.0			2.1	82.5
575	Lancaster		64.7	129.3	40.8	10.3			6.2	82.8
576	Lebanon	9.2	88.1	160.0	40.9	18.9	113.7	262.5	4.8	88.0
577	Lock Haven	14.4	83.1		45.3	34.4	122.5	375.0	6.4	89.8
578	McKeesport	12.6	78.6	140.6	41.6	8.5	123.1	262.2	1.3	1.7
579	Mahanoy	10.1	73.4	132.0	43.8	17.9	100.7	515.0	6.3	1.5
580	Mauch Chunk	5.4	84.3		35.2	20.0			3.3	89.8
581	Meadville	17.8	81.6	147.0	34.3	4.3	158.7	480.0	8.2	82.8
582	Mechanicsburgh	0	83.9	146.9	36.2	36.9	135.3	162.5	8.2	89.1
583	Middletown		78.4		40.8					
584	Monongahela	2.7	70.3	112.4	39.0	6.3	100.3	500.0		89.1
585	Nanticoke	13.9	73.3	132.0	45.3	11.5	102.6	232.4	3.6	88.1
586	New Brighton	8.7	71.8	129.2	44.1	5.9	120.0	450.0	4.0	83.3
587	New Castle	21.8	75.6	136.1	39.4	11.9	49.2	49.2	0.4	87.7
588	Norristown	12.0	70.1	140.4			108.3	235.7	5.0	
589	Oil City		74.5		42.3	5.6				66.0
590	Philadelphia	13.5	59.2	121.2	37.4	4.0	123.0	466.3	1.9	92.3
591	Pittsboro	1.4	75.7	136.2	37.4	7.1	133.7	350.0	4.7	95.2
592	Pittsburgh	103.4	72.8	145.7	36.8	7.4	119.5	400.0	2.2	78.3
593	Pittston	28.7	76.5	137.8	39.3	13.0			5.0	81.3
594	Plymouth	37.2	67.3	167.7	42.5	26.1	128.0	312.5	3.2	68.1
595	Pottsville	23.7	75.7	149.1	36.8	18.6	144.1	117.2	4.7	81.3
596	Pottsville		72.9	145.7	34.6				5.2	96.7
597	Reading	7.5	81.8	163.5	35.8	3.4	100.5	357.1	4.8	
598	Reading	12.6	73.5		34.5	23.1			8.0	
599	Scranton		61.1		39.2	27.3				71.7
600	Scranton		82.3	100.4	43.7	9.5	102.9	281.2	3.2	
601	Shamokin		71.4		48.5	21.1	120.2	210.6		
602	Sharon		80.3		42.7	8.3	112.7	288.8		
603	Shenandoah		70.0	126.0	45.8	16.3	138.8	351.3	2.8	88.5
604	South Bethlehem	3.9	71.7	143.4	40.4	36.4	153.0	453.3	4.8	86.7
605	South Easton	7.5	72.3	144.6	41.0	40.9	145.3	178.6	7.2	82.5
606	Steelton	14.4	86.7	156.2	45.2	50.0	126.9	249.0	5.2	81.7
607	Sunbury	9.9	78.7		43.4	38.9				
608	Susquehanna		61.3	110.3	37.8	11.1				
609	Tamaqua		66.0		48.4	11.8	146.0	400.0	8.0	81.0
610	Titusville		76.7	145.8	35.2	2.9	128.0	355.2	9.8	79.8
611	Towanda		67.2		31.9	13.3				
612	Uniontown	3.9	62.6	99.4	35.5	12.0	165.6	333.3		
613	Warren	23.7	75.8	136.7	33.9	5.3	131.2	200.0	9.5	83.1
614	Washington	15.3	73.8	132.7	39.0	4.8	117.2	319.3	7.3	63.9
615	West Chester	23.3	61.1	119.7	28.1	3.8	155.9	274.0	6.4	68.9
616	Wilkes Barre	13.0	71.8	125.7	45.0	19.3			1.5	
617	Williamsport	16.8	71.8	129.4	38.1	15.5	123.6	382.7	4.2	83.9
618	York	8.6	70.5	127.0	36.5	30.6	134.8	190.6	3.1	79.5

\* Statistics of 1887-88.

TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	Ratio of total public and private school enrollment to population 6-14.		Ratio of public-school enrollment to population 6-14.	Ratio of private-school enrollment to total public and private school enrollment.	Ratio of average daily attendance in public day schools to—		Average number of days' attendance of each pupil enrolled.	Total attendance is equivalent to attendance of entire population 6-14 for—	Number of pupils in average daily attendance to each teacher.	Proportion of males in entire supervising and teaching force.	Number of seats or sittings for study to each 100 of—		Average daily attendance.	Average number of sittings to a building.	High schools.		
		Per ct.	Per ct.	Per ct.	Per ct.	Population 6-14.	Enrollment.					Population 6-14.	Population 6-14.			Ratio of enrollment to total public-school enrollment.	Proportion of graduates to school enrollment.	Ratio of average daily attendance to enrollment.
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
RHODE ISLAND.																		
619 Bristol.....	124.7	120.5	3.3	83.2	69.0	138.1	168.4	Days.	33.2	12.5	110.8	133.2	151.4	4.5	Per ct.	Per ct.	Per ct.	90.7
620 Central Falls.....	106.7	82.2	23.0	70.2	43.9	87.8	140.4	40.8	44.8	3.7	82.1	115.5	233.3	7.0	0	0	0	78.1
621 Newport.....	134.3	126.8	10.3	73.1	85.4	170.8	146.1	34.7	40.8	13.2	114.8	116.9	217.0	5.3	0	0	0	88.2
622 Pawtucket.....	124.8	112.4	10.3	70.2	62.4	116.8	131.2	33.8	34.7	13.2	114.8	167.0	210.9	2.7	0.3	0.3	0.3	81.3
623 Providence.....	124.8	70.1	43.8	38.8	56.8	110.8	77.6	30.2	33.8	6.4	60.3	151.6	137.4	4.0	0.5	0.5	0.5	89.5
624 Woonsocket.....																		
SOUTH CAROLINA.																		
625 Charleston.....	134.2	89.9	33.0	80.9	89.9	105.6	149.0	43.6	43.6	10.7	83.2	102.9	800.0	4.7	0.3	0.3	0.3	95.0
626 Columbia.....			9.9		68.0	118.9		44.1	44.1	86.2		96.1	298.0	0				
627 Greenville.....					44.4	80.0		34.0	34.0	22.2		100.0	100.0					
628 Spartanburg.....			12.3		66.7	118.7		45.5	45.5	30.8								
TENNESSEE.																		
629 Chattanooga.....	142.1	111.9	21.2	68.6	61.3	108.5	121.4	46.2	46.2	22.7	85.7	124.9	680.0	3.4	0.6	0.6	0.6	80.5
630 Clarksville.....	108.5	91.6	15.5	60.1	69.9			55.7	55.7	13.6	72.4	112.8	547.0	3.9	0.8	0.8	0.8	80.0
631 Jackson.....	83.9	69.2	17.5	64.0	86.7	156.0	107.9	44.9	44.9	38.5	58.6	103.3	288.9	4.4	0.6	0.6	0.6	81.5
632 Knoxville.....	80.8	72.9	9.7	56.7	77.9	145.5	106.2	37.6	37.6	12.6	58.3	107.1	291.7	6.1	0.3	0.3	0.3	90.0
633 Memphis.....			20.7		57.0	99.2		43.6	43.6	25.3	58.3	97.9	482.3		0.8	0.8	0.8	
634 Nashville.....	78.8	71.8	8.8	59.6	83.0	150.1	107.8	47.9	47.9	25.0	99.3	151.8	266.7	0	0	0	0	0
635 Union City.....	120.7	108.3	10.3	65.4	60.4	108.7	117.7											
TEXAS.																		
636 Austin.....	69.4	54.0	22.2	48.6	90.1	156.8	84.7	39.3	39.3	16.1	59.7	122.7	206.7	4.8				92.9
637 Brenham.....	91.2	91.2	0	49.9	54.7	103.5	94.4	20.5	20.5	31.8	100.7	200.3	295.0	7.5	1.0	1.0	1.0	69.1
638 Brownsville.....	36.8	26.6	27.7	20.1	75.5	144.1	38.4	32.8	32.8	25.0	25.5	136.9	83.3		0	0	0	0

639	Dallas	42.7	25.0	56.1	112.1	91.2	36.7	69.7	133.7	223.3	3.4	0.4
640	Denison	81.8	52.1	60.3	109.1	89.2	37.7	54.2	109.9	223.3	5.5	0.4
641	El Paso	86.2	43.3	60.3	109.1	89.2	36.2	54.2	109.9	223.3	4.8	0.8
642	Fort Worth	99.5	62.3	71.7	128.9	112.1	40.6	67.5	108.3	226.3	6.2	0.3
643	Galveston	57.6	33.0	74.2	123.2	47.5	33.5	38.2	133.4	305.7	8.5	0.7
644	Houston	55.3	33.6	66.5	115.8	58.4	38.8	32.7	116.4	201.7	3.2	0.3
645	Marshall	66.3	43.0	64.9	64.9	44.0	43.0	55.6	116.4	201.7	13.0	0.5
646	Palestine	26.8	39.5	67.5	121.4	71.1	37.2	50.3	127.2	335.0	3.9	0.3
647	Paris	58.5	20.4	64.0	128.1	40.8	35.4	60.2	148.6	310.5	148.6	310.5
648	San Antonio*	31.8	51.8	73.8	132.9	93.3	47.5	30.3	116.3	330.0	116.3	330.0
649	Sherman	70.2	50.7	59.1	.....	.....	36.5	75.1	148.2	200.0	3.1	0.1
650	Waco	85.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
UTAH.												
651	Logan	93.4	9.6	40.5	78.5	66.3	57.0	60.0	187.9	211.7	6.0	.....
652	Ogden City	52.6	35.1	68.6	133.8	70.4	75.1	40.0	67.8	187.9	211.7	86.7
653	Provo City*	92.4	34.2	37.0	125.0	.....	27.0	54.5	80.5	235.7	175.0	.....
654	Salt Lake City	30.0	.....	71.4	.....	.....	50.0	41.2	.....	.....	.....	.....
VERMONT.												
655	Bennington*	.....	25.2	78.5	153.0	.....	33.4	28.5	140.5	656.0	9.6	84.2
656	Brattleboro	137.4	19.2	94.3	167.8	212.9	26.7	7.4	136.3	113.4	21.2	2.7
657	Burlington	226.9	80.2	67.3	133.9	135.6	28.9	9.1	.....	.....	11.4	2.0
658	Rutland	51.4	27.5	86.0	163.3	60.9	32.3	3.6	35.3	110.4	166.7	85.2
659	St. Albans*	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.9	1.8
660	St. Johnsbury &	.....	41.7	87.5	.....	.....	13.4	0	198.5	100.0	26.1	.....
VIRGINIA.												
661	Alexandria	.....	.....	77.2	149.0	92.1	45.9	25.0	57.5	120.5	310.0	.....
662	Danville	82.8	53.5	64.6	118.9	98.4	29.6	19.4	70.4	131.7	403.3	5.0
663	Fredricksburgh	104.2	75.8	79.2	148.8	142.5	51.6	15.3	102.4	172.0	5.2	0.2
664	Lynchburgh*	102.7	88.4	67.9	148.3	131.1	40.3	27.1	77.1	113.6	270.0	6.8
665	Manchester	59.2	48.9	64.0	113.6	86.9	45.3	33.3	72.0	147.1	500.0	3.0
666	Norfolk	76.5	41.2	69.6	131.6	77.7	54.8	19.4	43.5	117.6	285.7	.....
667	Petersburgh	.....	15.8	71.2	134.8	.....	11.8	11.8	106.5	247.6	5.9	0.6
668	Portsmouth	109.0	56.2	68.7	137.4	112.5	45.1	13.0	66.3	115.2	407.3	78.8
669	Richmond	119.2	77.8	82.5	149.2	140.7	41.9	19.9	82.7	106.4	415.8	3.2
670	Roanoke	224.9	107.3	47.7	76.3	171.6	57.9	21.4	185.2	172.6	466.7	8.9
671	Staunton	122.2	81.6	77.4	131.3	138.4	39.8	31.8	111.9	137.1	600.0	88.2
672	Winchester*	87.9	57.9	72.1	133.6	107.3	47.3	33.3	81.7	141.1	400.0	0.2
WASHINGTON.												
673	Seattle	81.4	48.7	59.7	.....	.....	46.4	7.7	.....	.....	.....	.....
674	Spokane Falls	150.0	81.6	51.3	102.7	163.2	46.3	11.1	74.7	91.5	120.0	64.0
675	Takoma	198.3	107.1	54.0	108.0	214.1	42.7	6.4	118.6	110.7	274.4	0
676	Walla Walla	105.2	50.6	48.1	96.2	101.2	41.4	.....	56.4	111.5	200.0	3.2
WEST VIRGINIA.												
677	Charleston	108.1	72.2	66.8	117.5	127.0	30.1	18.9	86.8	104.6	226.7	3.4
678	Grafton	134.1	83.0	72.2	115.6	132.8	40.6	31.3	96.8	104.6	226.7	6.3
679	Martinsburgh	103.5	91.3	88.2	167.5	173.4	53.7	31.8	54.2	59.3	116.7	13.3

\* Owing to a change in the school year this report covers the period between April 1, 1889, and June 30, 1889.

\* Statistics of 1887-88.



TABLE 20.—Comparative statistics for 1888-89 of enrollment, attendance, teachers, and accommodations in schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	2	3	4	Ratio of average daily attendance in public day schools to—		7	8	9	10	Number of seats or sittings for study to each 100 of—		13	High schools.		
					Population 6-14.	Enrollment.					Population 6-14.	Average daily attendance.		Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.
	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Average number of days' attendance of each pupil enrolled.	Total attendance is equivalent to attendance of entire population 6-14 for—	Number of pupils in average daily attendance to each teacher.	Proportion of males in entire supervising and teaching force.	Population 6-14.	Average daily attendance.	Average number of sittings to a building.	Ratio of enrollment to total public-school enrollment.	Proportion of graduates to total public-school enrollment.	Ratio of average daily attendance to enrollment.
<b>WEST VIRGINIA—continued.</b>																
680 Parkersburg.....	144.8	126.2	126.2	12.9	86.2	68.3	131.1	165.4	31.0	13.5	113.8	132.1	279.8	Per ct.	Per ct.	Per ct.
681 Wheeling.....	100.4	87.0	87.0	13.4	67.1	77.0	154.3	134.2	34.5	9.7	83.9	125.1	416.7	8.5	0.6	63.2
<b>WISCONSIN.</b>																
682 Appleton.....	129.2	99.8	99.8	22.6	76.6	76.7	132.0	131.7	33.9	21.2	122.5	159.6	325.0	11.3	5.1	64.8
683 Baraboo.....	155.9	161.8	161.8	2.5	110.2	68.1	120.8	195.4	37.6	9.5	123.3	111.9	266.7	8.1	1.0	77.6
684 Beaver Dam*.....	108.9	91.6	91.6	15.9	66.3	72.4	144.8	132.7	41.1	7.1	103.8	156.5	225.0	9.6	0.7	84.2
685 Beloit.....	150.7	146.9	146.9	2.5	98.7	67.2	124.9	179.2	36.1	4.5	198.7	201.2	400.0	5.9	0.3	73.6
686 Berlin.....	146.0	120.9	120.9	17.2	82.0	67.8	121.9	147.4	29.4	28.0	149.2	182.0	356.7	13.4	1.7	86.2
687 Chippewa Falls.....	162.1	83.0	83.0	48.8	60.6	72.9	130.3	108.3	30.7	11.5	79.1	130.4	166.7	11.6	1.0	77.9
688 Eau Claire.....	145.4	115.4	115.4	20.6	69.2	59.6	107.7	124.4	36.2	20.4	107.8	155.8	221.2	6.7	0.2	63.7
689 Fond du Lac.....	112.4	88.5	88.5	21.2	66.9	75.6	148.2	131.2	36.6	4.2	111.4	166.5	155.5	6.5	0.5	83.7
690 Fort Howard.....	142.7	104.4	104.4	26.9	66.5	63.7	121.2	126.6	37.0	.....	108.7	163.5	141.7	5.0	1.1	96.3
691 Green Bay.....	142.6	91.1	91.1	36.1	65.3	71.7	141.3	128.8	28.9	4.1	102.9	157.5	233.3	6.6	0.2	84.1
692 Janesville.....	.....	.....	.....	15.3	.....	72.9	138.5	.....	.....	.....	.....	140.3	284.2	6.4	1.0	85.0
693 Kenosha.....	125.6	75.0	75.0	41.2	.....	.....	.....	.....	.....	6.3	78.0	.....	185.0	11.1	0.7	69.6
694 La Crosse.....	142.5	116.1	116.1	18.5	76.1	65.6	128.9	149.7	37.1	10.7	98.6	139.5	300.0	4.0	0.2	95.1
695 Madison.....	118.2	88.1	88.1	25.5	71.3	80.9	149.7	131.9	35.3	6.5	85.4	119.7	211.1	16.5	1.8	75.8
696 Marinette.....	104.5	60.0	60.0	39.7	55.5	92.3	175.4	105.3	38.2	4.0	81.4	.....	.....	.....	.....	.....
697 Menasha.....	93.6	158.5	158.5	.....	.....	.....	128.2	203.3	38.1	9.1	85.7	154.8	92.9	10.9	2.0	80.0
698 Menomonee.....	.....	.....	.....	.....	113.0	71.2	128.2	33.1	38.2	7.7	134.9	119.4	162.9	8.5	0.9	62.5
699 Merrill.....	170.9	141.3	141.3	17.3	91.1	64.5	109.5	154.8	38.6	6.3	147.7	162.1	250.0	7.3	0.5	71.4
700 Milwaukee.....	.....	82.9	82.9	.....	56.6	71.8	123.9	107.7	47.5	.....	69.9	117.4	638.8	1.8	0.2	87.4
701 Monroe.....	182.4	182.4	182.4	0	.....	.....	.....	.....	.....	5.9	162.8	.....	333.3	11.2	1.5	87.2

702	Nearah.....	113.4	94.0	17.2	64.5	68.6	126.1	118.5	35.7	15.0	116.3	181.0	240.0	9.0	0.1	72.4
703	Oconto.....	.....	100.5	.....	92.9	92.4	185.8	184.8	45.3	33.3	101.9	109.7	186.5	8.4	1.4	75.6
704	Oshkosh.....	.....	67.2	.....	.....	.....	131.5	88.4	.....	16.1	.....	.....	.....	5.6	.....	.....
705	Portage.....	.....	102.8	22.5	65.9	64.1	128.2	131.7	29.9	.....	140.2	212.9	242.0	14.2	1.9	.....
706	Racine.....	.....	80.0	23.8	61.3	76.4	152.3	122.1	40.1	20.6	81.6	133.1	400.0	3.9	0.7	85.3
707	Shelbygan.....	.....	86.5	30.8	58.2	67.3	130.5	112.9	44.2	25.7	85.3	146.5	400.0	2.8	0.3	74.6
708	Stevens Point.....	.....	94.9	27.3	58.0	61.1	116.1	110.3	22.5	7.7	92.3	100.1	185.7	5.6	0.8	82.4
709	Watertown.....	.....	67.6	42.5	48.6	71.9	143.9	97.2	36.5	12.5	64.3	127.8	224.0	14.2	.....	69.9
710	Waukesha.....	.....	166.2	15.6	110.0	66.2	122.4	208.0	36.8	11.1	140.8	128.0	266.7	11.0	1.1	72.0
711	Watson.....	.....	100.2	18.8	72.5	72.3	.....	.....	43.6	12.0	84.5	116.6	127.0	3.9	.....	80.0
712	White Water.....	.....	109.3	14.9	75.4	69.1	135.3	147.7	33.3	23.5	105.1	139.4	348.5	8.7	1.1	67.5
713	Cheyenne.....	.....	.....	13.6	.....	65.3	121.4	.....	26.9	16.7	.....	137.5	283.3	7.5	0.5	90.1
WYOMING.		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* Statistics of 1887-88.

TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
1	2	3	4	5	6	7	8	9	10	11
<b>ALABAMA.</b>										
		<i>Per cent.</i>							<i>Mills per dollar.</i>	<i>Cents.</i>
1 Birmingham.....	\$4,436	0.47	\$20.94	\$85.46	\$3.90	\$15.91	\$0.91	\$3.73	1.07	11.0
2 Eufaula *.....	1,857	0.13	2.35	8.52	1.46	5.29				
3 Huntsville.....			6.37	19.51	2.14	6.56	0.34	1.04		4.7
4 Lively *.....	581	0.30	1.75	7.35	1.16	4.90	0.08	0.35	2.05	4.2
5 Mobile *.....			12.28	24.02						
6 Montgomery.....	5,837	0.35	20.48							
7 Selma *.....					5.43	14.18	2.02	5.26		
8 Tuscaloosa.....			19.45		4.28		0.44			
<b>ARIZONA.</b>										
9 Tucson *.....				240.10		30.74		0.83		
<b>ARKANSAS.</b>										
10 Fort Smith.....	4,657	2.50	116.38	175.05	10.02	15.07	2.05	3.08	2.59	10.9
11 Helena *.....	2,885	1.11	31.93	115.67	4.81	17.40	0.99	3.59	2.01	12.6
12 Little Rock.....	3,579	0.93	34.02	69.60	6.32	12.93				
13 Pine Bluff *.....			14.92	24.78	6.71	11.15	0.58	0.97		6.7
14 Texarkana *.....	2,148	1.47	31.51	35.02	10.60	11.78	0.82	0.91	5.31	7.9
<b>CALIFORNIA.</b>										
15 Chico.....	3,457	2.78	95.98	103.88	14.49	15.68	1.91	2.07	4.75	9.9
16 Eureka.....	7,337	1.34	98.90	103.81	14.00	14.69	1.66	1.75	2.14	9.2
17 Los Angeles.....	2,275	0.35	78.90	80.06	21.21	21.52	4.18	4.24	1.12	15.2
18 Marysville.....	6,593	0.66	44.21	80.88	12.37	22.63	6.87	12.57	2.92	21.1
19 Oakland.....	4,613	1.16	53.91	68.34	19.68	24.95	4.05	5.14	5.14	16.0
20 Pasadena.....			127.12	139.42						
21 Riverside.....						17.61				
22 Sacramento.....	4,110	1.45	59.75	90.39	15.51	23.46	3.54	5.36	4.64	14.0
23 San Francisco.....	6,725	1.75	117.35	157.53						
24 San José.....	5,256	1.41	74.35	109.18	13.62	20.00	3.77	5.54	3.31	13.0
25 Santa Cruz.....	4,921	1.00	49.47	54.84	14.92	16.52	1.99	2.21	3.43	10.0
26 Santa Rosa.....		0.61		46.39		18.39		4.84	2.97	12.4
27 Vallejo.....			39.89	42.82	14.86	15.95	2.33	2.56		11.3
28 Woodland.....	4,918	1.18	59.04	71.60	13.71	17.25	2.87	3.53	3.37	11.9
<b>COLORADO.</b>										
29 Aspen.....	6,900	1.00	69.00	50.25	28.83	21.00	35.18	25.63	9.27	27.8
30 Colorado Springs.....	3,945	3.23	127.40	156.20	18.48	22.67	15.08	18.62	8.54	22.3
31 Denver (district No. 1)						21.99		7.45		
32 Leadville.....	5,879	2.21	129.50	176.30	11.77	16.04	15.94	21.72	4.77	24.4
33 Pueblo (district No. 1)						26.49				
<b>CONNECTICUT.</b>										
34 Bridgeport.....					10.04	13.45	2.69	3.60		
35 Bristol.....										
36 Hartford.....	7,310				20.11		6.72		3.68	
37 Meriden.....			85.64	119.32	11.89	16.57	4.65	6.48		11.6
38 Middletown.....					13.08	18.58	7.03	9.99		
39 New Britain.....	2,574	3.64	93.77	163.36						
40 New Haven.....	5,450	1.37	74.51	84.19	15.90	17.93	4.00	4.52	3.65	11.5
41 New London.....					11.84	12.63	4.59	4.89		
42 Norwich.....			165.85	191.95	19.89	23.02	6.80	7.87		15.9
43 Rockville.....			62.58	78.89	9.86	12.43	5.53	6.97		10.8
44 South Norwalk.....				50.00		12.63				
45 Stamford.....										
46 Thompsonville.....					6.61	10.80				
47 Willimantic.....	3,399	0.99	33.63	119.23	4.51	16.00	1.36	4.83	1.73	10.4

\* Statistics of 1887-88.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

	City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
				Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
	1	2	3	4	5	6	7	8	9	10	11
	DAKOTA.		Per cent.							Mills per dollar.	Cents.
48	Deadwood .....					\$30.58			\$2.71	2.97	16.6
49	Fargo* .....	\$6,740	2.44	\$161.67	\$245.53	\$18.83	28.07				
50	Grand Forks .....	5,025	1.49	75.13	152.79	10.29	20.93				
51	Sioux Falls .....										
52	Yankton .....				95.34		13.18		9.13		13.4
	DELAWARE.										
53	New Castle .....	4,121				7.26	10.98	\$1.43	2.17	2.11	6.6
54	Wilmington .....		1.28		68.19		11.84		5.44	3.24	8.9
	DISTRICT OF COLUMBIA.										
55	Washington (white schools principally).	5,236				14.39	17.84				
56	Washington (colored schools).					10.15	15.22				
	FLORIDA.										
57	Palatka .....				6.77		10.83				
58	Pensacola .....	3,890	0.34	13.30	21.92	4.84	7.99	1.14	1.89	1.54	5.9
59	Tampa .....				34.38		11.41		0.53		7.3
	GEORGIA.										
60	Americus .....	3,164	1.37	43.46	46.18	8.39	8.92	1.15	1.22	3.01	5.3
61	Athens .....	2,633	0.83	23.44	48.07	5.99	12.29	1.39	2.72	2.78	8.4
62	Atlanta .....	4,490	0.65	29.21	42.18	6.64	9.59	0.78	1.13	1.65	5.4
63	Augusta .....			7.48	17.83	5.24	12.48	0.46	1.11		
64	Columbus .....	2,328				5.15	9.35	2.48	4.50	3.28	7.1
65	Griffin* .....					4.87	10.62	0.60	1.32		
66	Macon .....	4,535	0.65	29.77	68.26						
67	Rome* .....					6.15	10.75	0.51	0.89		
68	Savannah .....				80.86		13.75				
	IDAHO.										
69	Boisé City .....										
	ILLINOIS.										
70	Aurora* .....	4,044	1.56	62.99	86.70	10.99	15.13	3.28	4.52	3.53	10.2
71	Beardstown .....	1,825	2.92	53.27	58.03	9.08	9.89	3.72	4.05	7.01	7.3
72	Belleville .....	2,133	2.57	54.96	74.99	10.75	15.36	2.18	2.98	6.06	8.9
73	Belvidere .....					9.99		3.71			
74	Bloomington .....	8,760	0.94	82.83	121.40	10.20	14.93	5.36	7.86	1.78	12.9
75	Braidwood .....										
76	Cairo .....	2,584	1.25	32.46	50.08	5.42	8.36	1.73	2.67	2.77	6.5
77	Canton .....	2,321	2.61	60.50	86.32	9.15	13.06	3.94	5.49	5.63	10.3
78	Carlinville .....			73.52	72.00	8.33	8.16	2.02	1.98		5.6
79	Centralia .....	2,022	1.29	26.14	33.21	7.69	9.78	2.65	3.37	5.12	8.0
80	Champaign (West Side) .....					15.35	12.48	6.64	5.40		
81	Chicago .....	5,977	0.89	53.29	85.10	12.10	19.33	3.79	6.05	2.66	12.9
82	Danville* .....			25.10	33.92	10.06	13.59	4.44	6.00	5.78	10.0
83	Decatur .....	2,687	2.60	69.86	80.50	9.51	10.70	3.92	4.52	5.00	8.6
84	Efingham* .....	2,304	1.46	33.71	65.01	5.44	10.49	0.76	1.47	2.69	5.9
85	Elgin* .....	3,892	1.97	76.49	93.74						
86	Evanston .....	12,285	1.08	132.72	109.25	23.86	19.64	14.01	11.53	3.08	16.3
87	Freeport .....	3,235	1.48	48.00	70.61	9.93	14.61	3.58	5.27	4.18	10.2

\* Statistics of 1887-88.

TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
1	2	3	4	5	6	7	8	9	10	11
ILLINOIS—cont'd.										<i>Mills per dollar.</i>
83 Galena.....	\$2,124	<i>Per cent.</i>	\$32.45	\$57.66	\$7.02	\$12.49	\$1.80	\$2.54	4.16	<i>Cents.</i>
89 Galesburgh.....	2.14		102.95		15.01		4.24	4.02		8.1
90 Geneseo.....										13.9
91 Jacksonville.....	3,602	2.09	75.25	103.46	9.69	13.22	2.81	3.85	3.47	
92 Joliet.....	3,642	1.03	37.62	71.02	6.65	12.56	2.85	5.38	2.61	9.1
93 Kankakee.....	2,247	2.24	50.48	96.82	6.61	12.69	2.78	5.34	4.18	9.4
94 La Salle *.....			13.07	45.45	3.94	13.69	1.14	3.98		8.8
95 Lincoln.....			36.12	57.18	6.98	11.04	1.28	2.02		6.8
96 Litchfield.....	1,506	3.19	48.14	65.84	6.59	9.02	3.85	5.27	6.93	8.4
97 Mendota.....			79.70	75.27	12.87	11.69	2.85	2.69		7.6
98 Moline.....	2,594	2.54	66.03	83.94	11.52	14.65	3.15	3.59	5.66	10.6
99 Monmouth *.....			85.02	66.53	13.59	10.63	5.80	4.54		9.9
100 Olney.....	1,610	3.43	55.26	52.35	8.29	7.85	2.27	2.15	6.56	5.6
101 Ottawa.....	2,671	1.04	27.72	40.62	9.99	14.38	4.48	6.55	5.42	11.2
102 Paris.....		1.42		90.88		16.42				
103 Pekin *.....	1,608	2.28	36.63	87.04	5.50	13.07	1.99	4.74	4.66	10.2
104 Peoria.....	4,335	1.29	56.60	80.72						
105 Peru.....		1.11								
106 Pullman *.....		0.004		0.63		18.11		1.40	1.97	16.5
107 Quincy.....	4,406	0.84	34.12	64.66	5.89	11.17	1.83	3.46	1.91	7.5
108 Rock Island.....	3,029	1.56	47.38	62.61	11.22	14.82	8.35	11.03	6.46	14.7
109 Rockford.....	3,508	0.81	10.90	16.57	10.25	15.58				
110 Springfield.....	3,777	1.47	55.68	88.10	10.64	16.82	1.63	2.59	3.25	9.7
111 Sterling.....	7,623	1.60	121.75	108.14	15.62	13.83	5.33	4.73	2.75	10.0
112 Streator.....	1,131	1.35	15.25	25.07	5.59	8.98	2.78	4.57	7.39	7.1
INDIANA.										
113 Anderson.....	4,574	0.80	36.18	46.40	9.50	11.91	2.19	2.75	2.56	8.1
114 Aurora.....			38.85	51.85	9.18	12.25				
115 Brazil.....			43.46	57.41	7.21	9.30	1.89	2.49		6.6
116 Columbus.....	3,984	1.52	60.74		9.70		2.12		2.96	
117 Crawfordsville.....										
118 Elkhart.....	4,003	2.11	84.55	91.39	10.69	11.55	4.59	4.96	3.80	8.7
119 Evansville.....			44.12	82.12	9.13	16.99				
120 Fort Wayne.....	2,339	1.90	45.48	84.03	11.74	21.70	2.30	4.25	5.83	13.3
121 Frankfort.....			67.53	73.92	12.21	13.37	1.83	2.00		8.8
122 Goshen.....		2.73		129.43		15.75		6.70	4.73	12.8
123 Greencastle.....	4,035	0.88	35.70	75.07	7.30	15.36	2.51	5.31	2.43	11.2
124 Indianapolis.....			48.15			12.24		2.63		8.9
125 Jeffersonville.....	4,430	1.39	61.70	65.16	12.48	13.18	2.81	2.97	3.37	9.3
126 Kokomo.....			54.05	121.82						
127 La Fayette *.....										
128 La Porte.....										
129 Lawrenceburgh.....	2,610	0.59	15.36	25.50						
130 Logansport.....	4,261	1.20	51.17	93.10						
131 Madison *.....			37.00	71.50						
132 Michigan City.....										
133 Mount Vernon.....										
134 Muncie.....			150.50	143.80	11.00	10.51				
135 New Albany *.....	3,223									
136 Peru.....	3,953	1.05	41.64	56.19	8.41	11.35				
137 Richmond.....	4,061	1.63	68.45	105.50	9.87	16.65	4.53	7.63	3.47	13.7
138 Seymour.....	2,524	2.06	52.00	69.31	9.56	12.74				
139 Shelbyville *.....	4,633	0.86	39.72	44.89	8.97	10.14	3.39	4.40	2.78	8.1
140 South Bend.....	4,407	1.06	47.00	79.48	7.12	12.04	2.09	3.54	2.09	8.8
141 Terre Haute.....	2,837	1.21	34.53	69.61	8.24	16.62	1.47	2.91	3.42	10.6
142 Valparaiso.....	3,367	1.61	54.26	72.77	9.79	13.13	2.34	3.14	3.60	9.1
143 Vincennes.....	4,802	0.57	27.46	53.66	7.12	13.76	0.91	1.76	1.67	7.9
144 Washington.....				69.39		10.14		3.12		7.0

\*Statistics of 1887-88.

a School buildings are rented.

TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of super- vision and teaching per capita of—		Cost of inci- dentals per capita of—		Ratio of cost of tuition and inci- dentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.		
1	2	3	4	5	6	7	8	9	10	11
IOWA.										
		Per cent.							Mills per dollar.	Cents.
145 Atlantic.....	\$2,617	2.58	\$67.50	\$58.90	\$12.62	\$11.01	\$6.80	\$5.94	7.42	9.7
146 Boone.....					13.74	10.64				
147 Burlington.....	3,710	0.90	33.41		10.89		4.13		4.05	
148 Cedar Rapids.....										
149 Clinton.....										
150 Council Bluffs.....	4,639	1.69	78.84	149.91	8.05	15.31	6.29	11.98	3.08	14.0
151 Creston.....	1,565	4.14	64.80	86.25	8.62	11.47	4.73	6.28	9.08	10.1
152 Davenport.....	3,673	1.73	63.78	93.04	12.72	18.55	3.14	4.58	4.32	11.8
153 Des Moines, East.....	2,131	3.44	73.33	80.97	12.25	13.52	5.61	6.19	8.38	11.3
154 Des Moines, West.....	4,975	2.28	113.63	135.56	17.83	21.26	8.19	9.78	5.23	17.6
155 Dubuque.....	9,318	0.42	39.18	69.39	7.72	13.68	2.71	4.80	1.15	9.5
156 Fort Dodge.....	2,670	2.08	55.54	63.58	10.83	12.39	3.35	3.83	5.31	9.3
157 Fort Madison.....										
158 Iowa City.....	2,427	1.29	31.32	59.95	7.30	13.97	4.57	8.75	4.89	11.9
159 Keokuk.....			58.50	79.27	10.51	14.24				
160 Le Mars.....			55.44	54.03						
161 Lyons.....	1,846	2.38	43.88	63.79	8.42	12.09	2.80	4.07	6.02	8.1
162 Marshalltown.....	3,187	2.42	77.26	73.00	16.05	15.15	6.53	6.17	7.08	12.2
163 Mount Pleasant.....	3,888	1.45	56.53	65.58	12.03	13.96	4.23	4.91	4.18	10.8
164 Muscatine.....										
165 Oskaloosa.....	2,763	4.01	110.08	113.40	16.19	16.56	4.71	4.82	7.56	11.5
166 Ottumwa.....	3,628	2.36	85.44	79.48						
167 Sioux City.....										
168 Waterloo*.....	2,297	2.19	50.19	75.62	11.60	17.47				
KANSAS.										
169 Atchison.....				111.70		13.63		7.27		
170 Clay Centre.....	3,956	3.24	128.35	109.70	10.99	10.25	8.25	7.05	5.12	9.8
171 El Dorado.....			58.87	61.53	13.31	13.59				
172 Emporia.....		1.85		70.23		15.06		3.36	4.57	10.6
173 Fort Scott.....	2,761	1.83	50.71	65.95	7.48	9.74	1.65	2.13	3.30	7.4
174 Hutchinson.....			66.67	60.34	13.36	12.09	6.35	5.76		9.0
175 Independence.....	2,336	1.77	42.37	40.96	10.23	10.12	4.42	4.37	6.27	9.3
176 Kansas City.....	4,220	1.16	48.90	69.09	8.50	12.01	3.13	4.42	2.76	
177 Lawrence.....	2,437				8.03	9.16	4.77	5.44	5.25	8.6
178 Leavenworth.....	3,707	1.20	44.50	76.53	8.02	13.71	4.73	8.13	3.44	11.2
179 Newton.....	4,477	1.86	83.14	93.22	12.84	14.40	8.79	9.86	4.83	
180 Ottawa.....	3,790	1.75	66.17	64.81	10.69	10.47	5.44	5.33	4.26	9.0
181 Parsons.....	2,192	5.62	123.20	110.30	12.41	11.10	1.61	1.44	6.39	7.8
182 Salina.....	4,345	2.08	90.41	105.70						
183 Topeka.....					9.87	13.82	4.84	7.15		
184 Wellington.....	3,992	1.92	76.86	91.04	11.36	13.46				
185 Wichita.....	8,346	1.17	99.28	141.90	9.43	13.48	4.56	6.53	1.66	10.6
186 Winfield.....					12.58	13.90	3.48	3.86		9.9
KENTUCKY.										
187 Ashland.....										
188 Bowling Green *.....			24.88	39.55	7.71	12.25	1.02	1.62		7.1
189 Covington.....	3,297	2.08	27.58	73.30	5.96	16.93	0.73	2.06	2.03	9.5
190 Dayton.....										
191 Hopkinsville.....	1,589	1.32	21.54	36.30						
192 Lexington.....			28.27	46.73	6.03	9.73	1.06	1.71		5.7
193 Louisville.....	1,768	1.43	25.26	64.10	6.40	16.25	1.80	4.57	4.62	10.2
194 Newport.....	1,420	1.96	27.83	57.95	6.44	13.40	1.43	2.98	5.54	8.2
195 Owensborough.....	1,947	2.58	50.30	70.80					5.23	7.9
196 Paducah.....	2,112	1.31	27.72		4.31		7.22		2.38	
197 Paris.....			11.48	47.21	6.10	25.11				

\*Statistics of 1887-88.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of super- vision and teaching per capita of—		Cost of inci- dentals per capita of—		Ratio of cost of tuition and inci- dentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.		
1	2	3	4	5	6	7	8	9	10	11
LOUISIANA.										
198 New Orleans*.....	\$2, 448	Per cent. 0.56	\$13.69	\$45.05	\$3.53	\$11.63	\$0.52	\$1.71	Mills per dollar. 1.65	Cents. 7.3
MAINE.										
199 Auburn* .....	3, 611	1.45	52.20	57.79	12.48	13.81				
200 Augusta.....	5, 439	1.21	65.71	69.87	13.79	14.65	4.38	4.66	3.34	11.5
201 Bangor.....	3, 955									
202 Bath* .....			100.05	81.40	10.28	8.36	2.23	1.81		5.0
203 Belfast* .....			17.59							
204 Biddeford.....	4, 886	1.03	50.31	80.51	10.60	16.93	2.28	3.64	2.64	
205 Calais .....	2, 318	1.35	31.31	23.18	7.98	8.45	1.25	1.32	3.98	5.6
206 Ellsworth.....	3, 034	1.00	30.83	32.43						
207 Lewiston.....			85.90	144.63	9.12	15.35				
208 Portland.....	9, 815	0.57	55.50	63.76	14.63	16.80	4.34	4.99	1.93	11.5
209 Rockland .....										
210 Saco.....						13.08		3.25		
MARYLAND.										
211 Baltimore.....	4, 701	0.78	36.62	60.43	9.33	15.40				
212 Frederick .....	11, 906	0.18	21.43	30.65	5.02	7.17	0.83	1.19	4.91	5.6
213 Hagerstown.....	2, 290	0.85	19.45	38.42		8.42	0.40	0.78	2.04	
MASSACHUSETTS.										
214 Attleborough .....	5, 767	1.26	73.21	67.12	15.32	14.05	5.35	4.91	3.58	10.8
215 Beverly* .....	10, 640	1.24	131.37	134.33	12.29	12.57	4.22	4.32	1.55	8.7
216 Boston .....	13, 207				21.98	23.50				
217 Brockton.....	5, 054				14.08	13.85				
218 Brookline.....	27, 706	0.90	244.19	230.32						
219 Cambridge.....	6, 683	1.21	80.90	77.50	18.80	18.01	3.97	3.80	3.25	10.4
220 Chelsea.....	5, 176				14.87	16.38				
221 Chicopee.....	4, 417				9.78	17.44	3.52	6.27	2.99	
222 Clinton.....	3, 302	4.45	146.80	172.18	12.15	14.25	4.64	5.44	5.09	10.0
223 Danvers.....	4, 285	1.25	54.94	49.06	13.46	12.02	5.14	4.59	4.34	9.0
224 Dedham.....	5, 299				25.73	23.92	9.54	8.87	6.66	
225 Everett.....	5, 760	1.33	76.94	64.63	13.56	11.39	5.09	4.28	3.24	8.1
226 Fall River.....	4, 801	1.67	80.00	102.90	10.87	13.97				
227 Fitchburg.....	6, 903	1.22	84.86	100.01	13.94	16.43	4.51	5.34	2.67	11.6
228 Gloucester .....	5, 179	1.67	84.76	72.06	16.35	14.23	4.10	3.48	3.95	9.0
229 Haverhill.....	3, 543				11.28	17.93	2.16	3.45	3.79	
230 Holyoke*.....	3, 807	1.59	60.59	111.49	9.86	18.13	2.96	5.46	3.37	11.9
231 Hyde Park.....	3, 969	1.66	66.40	84.25	13.72	17.41	4.96	6.29	4.70	14.4
232 Lawrence.....	4, 586	1.20	55.40	73.42	10.46	13.86				
233 Lowell.....	5, 881	1.08	63.79	88.91	13.86	18.88	4.71	6.42	3.16	13.3
234 Lynn.....	5, 193	1.72	89.55	93.89	14.90	15.62	4.56	4.78	3.74	10.5
235 Malden.....	5, 915	2.08	123.40	142.40	17.63	20.39	4.67	5.39	3.78	13.4
236 Marblehead.....	3, 944				12.17	13.54	3.96	4.41	4.09	
237 Marlborough.....	3, 674	1.92	70.56	55.87	17.11	13.55				
238 Medford.....	10, 549	1.18	123.85	108.70	23.23	19.91				
239 Milford.....	4, 351	1.93	84.16	79.98	15.56	14.79	3.01	2.61	4.27	10.3
240 New Bedford.....	6, 758	1.53	103.54	140.35	15.28	20.72	4.42	6.00	2.92	13.4
241 Newburyport.....	4, 535									
242 Newton.....	9, 928	1.75	173.60	162.85	27.68	25.98	7.24	6.80	3.52	
243 North Adams.....	3, 616	2.33	85.92	107.22	9.51	11.87	4.31	5.87	3.82	9.1
244 Northampton.....	4, 959	1.61	79.65	77.14	13.16	12.75	3.95	3.83	3.45	9.4
245 Peabody.....	4, 085				12.38	13.30	5.44	5.85	4.36	
246 Pittsfield.....	5, 822	0.99	57.47	61.40	12.15	12.98	5.09	5.44	2.96	9.6
247 Plymouth.....	5, 026				17.57	16.47	5.26	4.93	4.54	
248 Quincy.....	3, 712				12.51	13.89	6.16	6.84	5.03	

\* Statistics of 1887-88.

TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

	City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of super-teaching and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
				Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
	1	2	3	4	5	6	7	8	9	10	11
MASSACHUSETTS—continued.											
249	Salem .....	\$6,312	1.41	\$89.46	\$118.94	\$15.80	\$21.01	\$4.80	\$6.39	<i>Mills per dollar.</i> 3.26	<i>Cents.</i> .....
250	Somerville .....			94.16	86.68	18.41	16.95				
251	Southbridge .....	3,445	0.83	28.56	47.35	9.10	15.08	2.84	4.70	3.46	11.0
252	Spencer .....	2,643									
253	Springfield .....	7,790	1.68	131.10	145.20	18.25	20.21	5.49	6.08	3.04	13.8
254	Stoneham .....	4,746	2.34	111.20	95.50	20.38	17.50	4.14	3.48	5.16	10.5
255	Taunton .....	5,121								3.76	
256	Waltham .....	5,970	1.80	107.18	136.10	18.34	23.15	4.97	6.26	3.90	
257	Watertown .....	6,973	1.48	102.93	120.83	19.72	22.63	4.62	5.43	3.43	14.2
258	Westfield .....	5,553	1.59	88.09	92.09	14.54	15.20				
259	Weymouth .....	6,355	1.83	116.85	81.69	18.32	12.81	5.26	3.59	3.61	8.5
260	Woburn .....	4,006	2.05	82.00	97.80	11.26	13.22	3.56	4.19	3.70	8.9
261	Worcester .....	7,533	1.29	97.80	111.40	16.35	18.63	4.02	4.58	2.70	11.6
MICHIGAN.											
262	Adrian .....	3,096	2.87	89.02	121.81	11.42	15.62	2.89	3.95	4.62	10.3
263	Alpena .....	2,841	0.73	20.75	36.53	7.39	13.01	1.43	2.52	3.11	.....
264	Ann Arbor .....	5,020	2.31	116.02	124.70	15.98	17.17	3.99	4.29	3.98	11.3
265	Battle Creek * .....			97.90	130.53						
266	Bay City .....	2,292	1.93	44.20	71.78	8.05	12.78	2.84	4.51	4.76	9.1
267	Big Rapids * .....			51.09	63.43	11.55	14.34	4.39	5.45		10.1
268	Cadillac .....	3,211	1.77	57.03	59.90	14.40	15.12	4.92	5.16	6.10	10.9
269	Cheboygan * .....	1,927	1.09	20.94	49.04	5.13	12.02	1.27	2.98	3.32	7.7
270	Coldwater .....	5,295	2.17	114.95	96.38	15.00	12.58	6.19	5.19	4.00	9.2
271	Detroit * .....	4,129	0.91	37.61	85.82	6.79	15.49	1.60	3.43	2.01	9.5
272	East Saginaw .....	2,068	2.02	41.90	60.89	9.64	14.02	3.52	5.11	6.36	9.9
273	Escanaba .....	2,402	1.73	41.54	94.52	5.61	12.78	4.41	10.04	4.17	11.4
274	Flint * .....	5,058	3.30	166.90	122.50						
275	Grand Haven .....	1,738	2.99	52.09	53.48	10.57	10.86	3.60	3.69	8.15	7.3
276	Grand Rapids .....	5,139	1.59	81.64	91.26	13.72	15.34	5.59	6.25	3.76	11.5
277	Ionia .....										
278	Ishpeming * .....			43.64	57.99	8.43	11.20	6.38	8.47		10.1
279	Jackson .....			111.10	106.52	17.17	16.09	7.43	7.13		12.4
280	Kalamazoo .....	3,811	1.95	74.36	83.46	9.96	11.19	3.83	4.29	3.58	8.0
281	Lansing * .....			59.56	76.15	10.23	13.07	4.75	6.07		10.1
282	Ludington .....			100.00	95.56	12.28	11.72	5.14	4.91		8.9
283	Manistee * .....			40.67	58.13	9.00	12.86	1.75	2.50		7.8
284	Marquette .....		2.12		79.62		15.59		9.81	6.77	13.2
285	Marshall .....	2,970	5.50	163.30	173.03	15.51	16.43	3.20	3.39	6.31	10.3
286	Menominee .....		1.15		54.25		15.17		4.35	4.13	10.0
287	Monroe * .....			34.32	90.00	4.62	12.12	1.72	4.51		8.3
288	Mount Clemens * .....			36.05		6.58					
289	Muskegon .....				57.49		15.37				
290	Negaunee * .....	2,607	1.47	38.33	70.22	7.98	14.62	6.91	12.65	5.71	14.2
291	Niles .....	3,396	2.39	81.24	93.94	14.56	16.84	5.44	6.30	5.89	12.5
292	Owosso * .....			71.35		12.64					
293	Pontiac .....	3,525	3.82	134.81	110.72	17.11	14.05	5.15	4.23	6.31	9.2
294	Port Huron .....	2,864	1.64	46.95	78.00	7.48	12.42	3.33	5.66	3.80	9.4
295	Saginaw .....				41.38		10.90		4.63		8.2
296	West Bay City .....	2,112	2.22	46.78	58.20	9.04	11.25	4.48	5.58	6.40	8.8
297	Wyandotte .....	5,944	0.74	44.25	97.95	5.74	12.48	2.97	6.57	1.45	9.8
298	Ypsilanti .....			50.10	77.80						
MINNESOTA.											
299	Anoka .....	11,534	0.63	72.50	72.83	13.48	13.54	3.84	3.85	1.50	9.7
300	Brainerd .....		2.33		68.45		12.03		8.25	6.89	.....

\* Statistics of 1887-88.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

	City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
				Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
	1	2	3	4	5	6	7	8	9	10	11
MINNESOTA—cont'd.											
			Per cent.							Mills per dollar.	Cents.
301	Crookston .....		2.66		\$104.00		\$13.94		\$9.91	6.10	13.3
302	Duluth .....		0.58		196.00		16.42		12.26	0.87	15.4
303	Faribault .....		1.59		106.45		14.19		7.20	3.19	12.2
304	Mankato .....		1.24		65.42		14.72		7.23	4.17	12.3
305	Minneapolis .....		0.87		127.80		21.68		6.92	1.96	15.8
306	Red Wing* .....		2.04		70.83		15.47		4.38	5.73	11.3
307	Rochester* .....				74.96						
308	St. Cloud .....	\$14, 181	0.46	\$66.02	72.68	\$11.25	12.38				
309	St. Paul .....						31.39		12.34		23.1
310	Stillwater .....		1.78		145.63		18.10		15.37	4.10	19.0
311	Winona .....	2, 117	4.04	85.44	131.60	10.41	16.03	\$4.59	7.07	7.09	11.8
MISSISSIPPI.											
312	Columbus .....										
313	Jackson a .....				97.73		14.51		7.22		13.6
314	Meridian .....	2, 216	1.37	30.28							
315	Natchez .....	2, 132	0.91	19.33	62.89	4.83	13.72	0.22	1.06	2.42	9.3
316	Vicksburg .....	1, 227	0.73	9.00	33.81	3.25	12.19	0.84	3.17	3.33	9.3
MISSOURI.											
317	Boonville .....			35.46	62.76	7.03	12.45	2.96	5.35		9.7
318	Brookfield .....			31.91	50.64	5.24	8.31	1.46	2.32		5.9
319	Butler .....	3, 301	1.53	49.60	60.23	7.81	9.48	3.14	3.81	3.32	7.5
320	Cape Girardeau .....			22.28	49.01	3.26	7.17	1.99	4.38		7.0
321	Carrollton .....	3, 417	2.17	74.03	63.02						
322	Carthage* .....	1, 852	2.44	44.98	52.93	8.92	10.50	1.91	2.25	5.88	7.2
323	Chillicothe* .....	2, 456	1.52	37.37	58.91	6.90	10.88	3.81	6.00	4.36	10.7
324	Clinton* .....	3, 553	1.51	53.71	63.11	7.87	9.24	3.81	4.48	3.29	7.5
325	Columbia* .....	3, 411	0.62	21.29	37.13	5.87	10.22	0.70	1.22	1.92	7.4
326	De Soto* .....	825	4.65	38.42	48.67	4.36	5.52	2.43	3.08	8.23	6.2
327	Hannibal .....	2, 123	1.7*	37.85	50.45	8.58	11.44	3.47	4.63	5.68	9.1
328	Independence .....	4, 023	1.36	54.51	71.15	9.41	12.28	3.43	4.47	3.19	9.6
329	Jefferson City .....			30.68	57.23	5.70	10.63				
330	Joplin .....	849	3.85	32.72	41.26	7.39	9.33	2.54	3.20	11.70	8.0
331	Kansas City .....	6, 316	0.89	56.34	116.70	7.12	14.75				
332	Lexington .....			19.89	45.54	5.14	11.76	1.29	2.96		8.1
333	Louisiana .....	1, 475	1.43	21.62	31.80	4.34	6.53	0.84	1.26	3.51	6.5
334	Marshall .....	1, 483	3.31	49.12	57.54	10.33	12.10	4.78	5.60	10.18	10.1
335	Marysville .....	11, 215	0.67	75.11	75.38	8.97	9.00	3.35	3.36	1.10	7.0
336	Mexico* .....	2, 919	1.05	30.71	35.88	8.78	10.50	1.66	1.98	3.57	6.9
337	Moberly .....	1, 592	1.60	25.45	50.98	4.10	8.22	1.63	3.38	3.63	7.4
338	Nevada .....	3, 103	1.87	58.21	63.53	7.87	8.59	3.26	3.55	3.58	7.8
339	Rich Hill .....	2, 085	1.07	22.32	28.81	5.86	7.83	3.12	4.17	4.31	7.7
340	St. Charles .....	2, 350	1.84	43.41	134.32	4.34	13.44	1.51	4.08	2.41	9.0
341	St. Joseph .....			32.05	99.06	5.80	17.96	3.43	10.63		14.4
342	St. Louis .....	4, 941	1.00	49.55	76.86	9.93	15.41	3.55	5.50	2.73	12.3
343	Sedalia* .....	4, 418	1.21	53.46	62.63	9.62	11.27				
344	Springfield .....	2, 034	2.18	44.27	41.52					6.01	7.3
345	Trenton .....		2.96							5.69	
346	Warrensburg .....			17.75	24.04	6.66	9.01				
347	Washington* .....			9.80	34.16	3.26	11.39	0.85	2.97		7.5
MONTANA.											
348	Butte City .....		0.56		64.79		20.89				
NEBRASKA.											
349	Beatrice .....	4, 735	1.87	88.90	124.90	10.28	14.44	5.07	7.06	3.24	12.3
350	Fremont .....			84.06	84.40	13.01	13.06	6.16	6.18		10.3

\* Statistics of 1887-88.

a Statistics of white schools only.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
1	2	3	4	5	6	7	8	9	10	11
NEBRASKA—continued.										
		<i>Per cent.</i>							<i>Mills per dollar.</i>	<i>Cents.</i>
351 Grand Island .....	\$4,269	2.28	\$97.66	\$119.50	\$13.60	\$16.64	\$5.12	\$6.25	4.38	11.8
352 Hastings .....	6,090	1.56	99.40	114.30	10.84	12.22	4.88	5.61	2.47	11.3
353 Kearney .....	3,422	2.97	101.70	138.00	11.84	15.74	8.39	11.39	5.84	15.4
354 Lincoln .....	6,243	1.30	81.10	132.30	8.02	13.08	2.02	3.62	1.61	9.5
355 Nebraska City .....	8,851	7.84	66.73	86.64	8.97	11.56	4.86	6.27	16.25	9.5
356 Omaha .....	5,761	1.85	106.83	137.90	18.01	23.24	10.50	13.55	4.95	19.2
357 Plattsmouth .....			54.77	69.30	8.83	11.18	4.33	5.35		9.2
NEVADA.										
358 Carson City .....	2,024	1.73	36.15	42.13	17.08	19.90	2.48	2.89	9.66	13.8
359 Eureka .....			33.50	51.88	15.62	24.19				
360 Gold Hill .....			29.18	42.23	14.85	21.49	3.40	4.93		13.7
361 Virginia City .....	2,316	1.00	23.16	28.92	13.67	17.06	8.15	10.17	9.42	13.8
NEW HAMPSHIRE.										
362 Concord .....						15.56		6.94		14.4
363 Dover * .....			\$7.58	127.35	11.88	17.28	3.44	5.00		12.3
364 Keene .....			104.90	104.83	12.09	12.02				
365 Manchester .....						17.36		5.58	2.59	
366 Nashua .....			121.65	165.33	13.27	18.04	5.97	8.11		15.9
367 Portsmouth .....	5,454	0.54	29.69	40.55	15.75	21.02	6.84	9.34	4.37	16.3
368 Rochester .....						12.95		3.58		
NEW JERSEY.										
369 Atlantic City .....			58.99	75.95	9.87	12.71	5.66	7.29		11.1
370 Bayonne .....	6,708	0.93	62.07	111.48	11.32	20.33	3.73	6.70	2.24	13.4
371 Bordentown * .....			16.23	43.17	6.86	18.25	2.43	6.47		
372 Bridgeton * .....			21.83	32.93	7.92	11.94	2.06	3.11		
373 Burlington * .....			31.68	71.13	6.67	14.97	2.25	5.05		
374 Camden .....	2,139	1.64	35.02	72.18	6.83	14.07	3.06	6.31	4.62	10.2
375 Elizabeth .....	2,339	1.44	33.75	67.25	7.53	15.01				
376 Gloucester City .....	3,330	0.86	28.03	61.28	5.30	11.59	1.21	2.65	1.96	7.0
377 Hackensack .....	5,315	1.38	73.15	91.60	13.85	17.34				
378 Harrison .....				25.86						
379 Hoboken .....										
380 Jersey City .....	1,997	0.91	18.33	45.52	6.39	15.88	1.05	2.60	3.73	9.2
381 Lambertville * .....	3,338	0.98	32.62		8.91		1.36		3.08	
382 Long Branch .....			64.90	113.13	10.52	18.34				
383 Millville * .....	2,332	1.52	35.46	41.76	10.03	11.81	2.27	2.68	5.28	6.6
384 Montclair .....	6,457	1.53	98.65	132.15	18.65	24.91	6.70	8.97	3.93	17.4
385 Morristown * .....	3,368	0.70	58.57	95.10	9.93	16.13	2.77	4.49	1.52	10.3
386 Mount Holly .....	3,650	0.68	24.95	41.63	8.11	13.54				
387 New Brunswick .....	4,317	0.94	39.69	77.05	7.11	13.80	2.46	4.78	2.22	9.5
388 Newark .....	3,855	1.05	40.54	79.50	8.20	16.09	1.58	3.11	2.54	10.1
389 Orange .....	3,641	1.14	41.45	101.72	7.21	17.70	3.10	7.61	2.83	12.6
390 Passaic .....	1,997	2.36	47.20	79.30	8.64	14.51				
391 Paterson .....	3,120	1.00	31.16	52.33	7.65	12.84				
392 Perth Amboy * .....			30.63	82.54	4.74	12.78	1.02	2.75		
393 Phillipsburg .....	1,617	1.52	24.40	32.52	8.09	10.78	3.25	4.33	7.06	7.6
394 Plainfield .....	6,489	1.53	102.50	145.10	13.65	19.39	7.95	11.26	3.32	15.3
395 Rahway .....			22.45	34.38	10.81	16.56				
396 Salem .....	5,505	0.67	36.70	45.00	10.71	13.13	3.00	3.68	2.49	
397 Trenton .....	4,492	0.74	33.55	61.30	7.81	14.28	1.79	3.27	2.14	9.0
398 Woodbury * .....			33.68	52.53	8.90	13.88				
NEW YORK.										
399 Albany .....	3,824	1.27	48.47	86.56	9.37	16.73	2.32	4.16	3.06	11.1
400 Albion .....	3,153	2.37	74.70	93.78	13.50	16.95	2.79	3.51	5.17	10.0

\* Statistics of 1887-88.

TABLE 21.—Comparative statistics for 1883-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	2	3	Value of school property per capita of—		Cost of super- vision and teaching per capita of—		Cost of inci- dentals per capita of—		10	11
				Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.		
										Mills per dollar.	Cents.
NEW YORK—cont'd.			Per cent.								
401 Amsterdam .....				\$36.54	\$73.08						
402 Auburn .....	\$4,730	1.62		76.96	96.16	\$12.69	\$15.88	\$3.75	\$4.63	3.48	10.6
403 Batavia .....	6,586	2.44		161.00	199.13	9.82	12.15	5.45	6.74	2.32	9.7
404 Binghamton .....	4,364	1.71		74.87	76.62	12.16	12.44	2.46	2.52	3.35	7.9
405 Brockport .....	5,031	0.49		24.75	69.43	3.55	9.95	1.05	2.96	0.88	6.4
406 Brooklyn .....	4,262	0.89		38.01	74.58	8.26	16.20				
407 Buffalo .....					74.61		20.23		2.74		11.8
408 Canandaigua .....	5,051	1.67		84.50	109.13	11.50	14.51	6.22	8.03	3.51	12.1
409 Catskill .....	5,480	1.27		69.50	62.50	13.64	12.55	2.26	2.04	2.96	7.1
410 Cohoes .....	2,508	1.03		26.00	63.73	6.08	14.90	2.69	5.12	3.26	10.0
411 College Point .....	2,728	0.81		22.35	41.04	6.56	12.04	0.81	1.49	2.70	6.9
412 Cortland .....				21.34	37.55	5.69	10.02	1.33	2.43		6.6
413 Dansville .....	2,010	2.48		49.92	81.92	9.01	14.76	4.76	8.14	6.95	11.9
414 Dunkirk .....				81.50	128.42	12.07	19.00	2.78	4.37		12.3
415 Elmira .....	4,128	2.77		114.00	108.45	14.74	14.02	2.67	2.54	4.21	8.5
416 Flushing .....	3,653	1.53		55.86	121.63	8.65	18.76	4.41	9.61	3.57	15.0
417 Fulton .....	5,235	2.27		118.65	90.82	14.26	10.92	2.97	2.27	3.29	7.1
418 Geneva .....	5,739	0.86		49.45	46.95	10.11	9.60	1.33	1.27	2.00	5.6
419 Gloversville .....						10.95	11.15				
420 Green Island .....	2,877	2.17		61.00	66.55	11.71	12.77	4.00	4.37	5.46	8.7
421 Haverstraw .....											
422 Hoosick Falls* .....	3,706	2.13		79.06	64.18	15.64	12.70	5.04	4.09	5.58	9.1
423 Hornellsville .....	4,531	0.81		36.52	43.02	12.54	14.77	3.28	3.86		
424 Hudson .....	3,036	0.92		27.93	56.29	6.01	12.12	1.06	2.19	2.34	7.2
425 Ilion* .....	1,978	2.67		52.71	39.78	16.59	12.52	5.41	2.58	10.11	7.7
426 Ithaca .....	5,255	1.94		103.10	102.20	13.68	13.55	4.33	4.29	3.40	
427 Jamaica* .....						7.27		3.11			
428 Jamestown .....				72.41	79.69	13.07	14.31	1.68	1.83		8.4
429 Johnstown .....	5,720	1.22		69.51	71.00	10.52	10.74	4.35	4.45	2.60	8.3
430 Kingston a .....	4,047	3.05		123.50	154.00	14.23	17.75	4.02	5.02	4.51	11.9
431 Lansingburgh .....	3,350	1.33		45.26	64.95	9.20	13.22	2.54	3.65	3.47	8.9
432 Little Falls .....	1,029	3.36		86.00	122.60	10.12	14.42	5.21	7.43	15.01	11.4
433 Lockport .....	4,064	1.49		60.41	79.43	11.54	15.17	3.10	4.07	3.61	10.3
434 Long Island City* .....	6,069	0.32		19.11	26.56	7.76	10.79	3.32	4.61	1.87	8.1
435 Lyons .....	3,986	0.73		29.43	29.43	12.84	12.84	4.42	4.42	4.33	9.0
436 Malone .....	3,653	2.06		75.36	73.13	12.55	12.12	4.42	4.39	4.67	8.6
437 Matteawan .....				35.45	40.63	8.64	9.90	1.34	1.54		5.8
438 Medina .....	4,727	1.18		55.87	54.24	12.98	12.60	2.20	2.14	3.21	7.5
439 Middletown .....	5,030	1.11		55.75	68.41	10.04	12.34	2.22	2.72	2.44	7.9
440 Mount Vernon .....	3,578	2.25		80.50	110.20	20.60	28.19	4.08	5.53	6.90	
441 New Brighton .....	6,882	0.61		41.67	57.97	13.61	19.32				
442 New Rochelle .....					120.22		19.11		7.70		
443 New York .....	5,981	1.09		65.39	93.84	13.20	18.94	2.41	3.46	2.38	10.9
444 Newburgh .....	8,706	0.85		76.08	113.70	11.06	16.53	3.52	5.27	1.64	
445 Norwich .....				88.79	80.00						
446 Ogdensburg .....						7.38	14.61	2.60	5.14		10.3
447 Olean .....						12.85	12.26	3.40	3.24		8.2
448 Oswego .....	2,451	1.89		46.45	70.38	8.54	12.94	11.00	1.67	3.93	7.5
449 Owego* .....							16.85		4.34		11.3
450 Peekskill .....	3,611	1.65		59.55	69.43	10.67	12.45	2.37	2.83	3.63	8.1
451 Penn Yan .....	5,814	0.58		33.68	44.04	12.08	15.73	1.81	2.37	2.38	9.3
452 Plattsburgh .....	3,163	2.06		65.04	66.04	12.25	12.44	4.06	4.13	5.16	8.7
453 Port Chester .....				57.00	103.12	11.55	20.88	3.06	5.54		
454 Port Jervis .....	2,628	2.17		57.05	59.61	11.03	11.52	3.02	3.16	5.35	7.9
455 Poughkeepsie .....	5,475	0.94		51.52	74.18	10.66	15.35	2.82	4.06	2.46	10.4
456 Rochester .....	3,273	0.86		34.80	61.11	8.80	15.46	3.49	6.12	3.17	11.6
457 Rome .....						11.15	12.21	2.81	3.08		8.1
458 Saratoga Springs .....				77.20	70.90	18.62	17.10	4.69	4.27		11.3

\* Statistics of 1887-88.

a These figures refer to the Kingston school district, which embraces only about one-half of the entire city.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	1	2	3	Value of school property per capita of—		Cost of super- vision and teaching per capita of—		Cost of inci- dentals per capita of—		10	11
				Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.		
			Per cent.							Mills per dollar.	Cents.
NEW YORK—cont'd.											
459 Schenectady .....						\$8.73	\$13.47	\$1.33	\$2.05		8.2
460 Seneca Falls* .....				\$40.45	\$58.57	9.39	11.84	2.73	3.44		7.7
461 Sing Sing .....	\$5,987	0.57		34.16	40.18	13.58	16.33	5.00	5.88	3.16	11.5
462 Syracuse .....	13,899	2.71		78.45	100.92	11.58	14.39	1.54	2.03	4.53	8.7
463 Tarrytown* .....	7,077	0.65		45.78	64.39	14.27	20.08	3.53	4.96	2.52	13.1
464 Tonawanda* .....	3,168	0.71		24.71	43.07	4.95	8.65	0.79	1.38	1.81	5.1
465 Troy* .....	4,729					10.61	20.69	1.89	3.69	2.52	12.6
466 Utica* .....	3,482	1.52		52.99	80.76	9.72	14.83	2.50	3.82	3.51	9.6
467 Waterloo .....	4,924	0.99		49.02	49.77	12.45	12.63	1.63	1.65	2.86	7.4
468 Watertown .....	4,008	1.45		58.29	75.80	11.11	14.45	2.08	2.70	3.29	8.7
469 West Troy .....	1,635	0.92		15.40	26.83	5.51	9.83				
470 Whitehall .....				29.13	40.90	9.44	13.25	2.35	3.29		8.2
471 Yonkers .....	4,742	1.06		50.45	107.75	10.77	23.00	4.89	10.44	3.30	17.6
NORTH CAROLINA.											
472 Asheville.....				25.89	38.60	6.51	9.70	1.25	1.87		8.4
473 Durham .....	4,514	0.02		0.81							
474 Fayetteville .....				11.18	16.78						
475 Goldsborough .....	2,591	0.41		10.70	17.86	4.92	8.21				
476 Greensborough .....	3,983	0.83		32.93	54.70	6.48	10.77	0.62	1.03	1.78	6.9
477 New Berne .....		0.36			14.44						
478 Raleigh .....				21.16	37.66	4.50	8.75	1.17	2.10		7.2
479 Reidsville .....											
480 Winston .....											
OHIO.											
481 Akron .....	3,615	3.25		117.42	139.00	11.41	12.33	6.25	6.91	4.81	10.1
482 Alliance .....	5,475	1.89		103.60	101.82	9.59	9.43	3.94	3.87	2.47	7.1
483 Ashtabula .....	5,746	1.38		79.50	93.36	11.02	12.94	5.70	6.69	2.87	10.4
484 Bellaire* .....						6.43	9.33	3.90	5.66		8.6
485 Bellefontaine .....	4,724	1.67		78.74	79.00	14.65	14.69	3.50	3.51	3.84	11.4
486 Bucyrus .....	4,691	2.34		109.75	124.33	9.65	10.94				
487 Canton .....											
488 Chillicothe .....	2,635	2.63		69.45	100.15	11.84	17.49				
489 Cincinnati .....	3,982	1.74		69.36	108.78	14.59	22.85				
490 Circleville .....	4,895	1.78		86.96	142.63	12.04	19.75	3.42	5.61	3.16	
491 Cleveland .....	4,538	2.00		90.86	108.20						
492 Columbus .....	5,555	1.46		81.08	127.63	10.46	16.48	2.95	4.64	2.42	11.6
493 Dayton .....				80.35	116.32	14.63	21.25	4.19	6.08		13.7
494 Defiance .....							12.46		5.51	3.25	9.7
495 Delaware* .....				100.25	110.23	10.95	12.03				
496 Delphos* .....				40.79	53.21	8.15	10.63	1.48	1.93		7.0
497 East Liverpool .....				34.03	49.92	6.08	8.91	5.50	8.07		9.5
498 Elyria .....	2,853	3.16		90.36	108.12	13.54	15.96				
499 Findlay* .....	2,975	2.54		72.97	88.88						
500 Fostoria .....											
501 Fremont .....	3,451	1.60		55.24	66.16	10.93	13.08				
502 Gallon .....	2,167	4.82		104.5	105.50	9.92	10.02	5.65	5.71	7.14	8.3
503 Gallipolis .....	2,004	1.96		39.28	50.72	9.54	12.31	2.40	3.09	5.95	9.0
504 Greenville* .....						17.08	15.86				
505 Hamilton .....	3,132	1.11		34.89	58.75	10.94	18.45	3.88	6.53	4.74	13.1
506 Ironton .....						9.53	11.50	3.14	3.79		8.3
507 Kenton .....				77.10	80.16	12.89	13.47				
508 Lancaster .....					110.97		15.59		5.62		11.1
509 Lima .....	3,843	2.12		81.70	100.40	8.91	10.96				
510 Mansfield* .....				108.80	114.35	11.24	11.31				
511 Marietta* .....	3,283	1.20		39.54	44.46	11.52	12.96	1.87	2.12	4.03	8.2
512 Marion* .....					69.67	87.96					

\* Statistics of 1887-88.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

	City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of super- vision and teaching per capita of—		Cost of inci- dentals per capita of—		Ratio of cost of tuition and inci- dentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
				Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.	Population 6-14.	Average daily attend- ance.		
1		2	3	4	5	6	7	8	9	10	11
	OHIO—continued.		Per cent.							Mills per dollar.	Cents.
513	Martin's Ferry.....					\$8.73	\$10.37	\$1.92	\$2.28		6.9
514	Massillon*.....				\$64.04	94.12					
515	Middletown.....	\$3,916	1.06	\$94.52	164.00	10.25	17.79	2.90	5.03	1.48	12.0
516	Mount Vernon*.....	5,253	1.66	87.28	95.08						
517	Nelsonville*.....	2,425	3.12	75.67	82.83	7.93	8.69	6.67	7.30	6.02	8.9
518	Newark.....			71.29	84.10	11.36	13.41	8.03	9.47		12.6
519	Norwalk.....			76.62	108.61	11.28	16.00				
520	Painesville.....	5,659	2.19	124.28	150.40	16.53	19.92	4.72	5.69	3.73	12.9
521	Piqua.....	3,331	2.34	77.90	147.23	8.75	16.53	4.72	8.91	4.04	14.2
522	Pomeroy.....	1,473				8.62	11.07	2.45	3.14	7.44	7.8
523	Portsmouth.....	1,867	4.11	76.60	114.72	8.13	12.15	3.84	5.73	6.42	9.6
524	Salem*.....			55.50	67.30	12.21	14.80				
525	Sandusky.....	4,028	1.65	65.47	92.10	8.41	11.66	2.93	4.06	2.82	8.0
526	Sidney.....	5,272	1.21	63.64	70.40	13.76	15.22				
527	Springfield*.....			53.44	70.23	11.92	15.69	4.33	5.70		
528	Steubenville.....	2,125	2.88	61.15	87.80	10.89	15.31	2.41	3.46	6.14	9.8
529	Tiffin.....	4,078	1.92	78.21	121.95	8.88	13.84	2.29	3.41	2.74	9.0
530	Toledo.....			55.97	99.20	7.43	13.16	2.96	5.25		9.2
531	Troy.....	6,207	2.41	149.52	162.81	17.58	19.14	7.48	8.14	4.04	14.0
532	Urbana*.....	5,611	1.61	90.28	122.00	12.47	16.85	7.30	9.86	3.52	14.7
533	Van Wert.....			69.31	65.76						
534	Warren*.....			99.27	123.87						
535	Washington C. H.....			53.60	51.84	17.62	17.04	4.12	3.97		11.5
536	Wooster*.....					12.89	13.44				
537	Xenia*.....	3,418	2.24	67.58	86.96						
538	Youngstown.....	3,521	1.56	54.88	82.21	7.95	11.91				
539	Zanesville*.....			72.03	101.75	11.44	16.17				
	OREGON.										
540	Astoria.....			148.83		18.17		15.87			
541	Portland.....	10,710	0.86	92.80	122.20	19.15	25.21	5.39	7.09	2.29	17.1
542	Salem.....			65.54	131.81	8.46	17.02	4.07	8.19		13.4
	PENNSYLVANIA.										
543	Allegheny.....				101.70		12.92		9.68		
544	Allentown.....		5.43		156.80		10.97		9.79	7.19	10.8
545	Altoona.....		2.47		80.95		9.51		3.47	3.96	7.2
546	Ashland.....		1.52		39.28		8.06		5.21	5.13	7.4
547	Beaver Falls.....		2.26		62.05		9.12		5.21	5.21	9.0
548	Bellefonte.....		2.38		84.74		9.73				
549	Bethlehem*.....				127.13		9.53		3.01		6.3
550	Bloomsburgh*.....						9.11		4.98		
551	Braddock*.....	3,597	2.48	89.24	60.96	12.64	8.63	4.72	3.22	4.83	6.2
552	Bradford.....		6.39		44.79		11.03		3.03	20.11	7.8
553	Bristol.....		1.15		78.66		12.91		5.49	2.69	9.2
554	Butler.....		2.48		81.17		9.51		3.71	4.05	8.4
555	Caibondale*.....		1.13							4.79	
556	Carlisle.....				41.32		9.65		3.85		6.7
557	Chambersburgh.....		1.95		44.66		10.23		2.63	5.61	7.2
558	Chester.....		1.35		78.37		12.28		3.39	2.71	7.9
559	Columbia.....	3,243	1.14	36.09	31.89	10.19	8.80				
560	Connellsville.....		0.12		38.32		9.07		3.80	0.39	8.0
561	Conshohocken.....		1.39		73.69		13.73		5.25	3.57	9.5
562	Corry.....		4.18		66.65		10.13		8.09	11.42	10.1
563	Danville.....				68.67		9.47		3.78		7.8
564	Du Bois.....		4.34		24.85		9.86		1.71	20.21	8.3
565	Dunmore.....	2,729	1.37	37.38	33.25	9.47	8.42	2.01	1.75	4.21	5.1
566	Easton*.....						15.12		10.83		

\* Statistics of 1887-88.

TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
1	2	3	4	5	6	7	8	9	10	11
PENNSYLVANIA—continued.										Mills per dollar. Cents.
567 Erie .....		2.54		\$88.84		\$14.42		\$5.03	5.56	
568 Franklin* .....						10.88		4.22		
569 Greenville .....						10.34		1.56		7.9
570 Harrisburg .....		2.15		88.11		12.98		3.90	4.12	8.6
571 Hazleton .....		1.32		50.22		10.81		2.35	3.46	7.4
572 Honesdale .....	\$4,434	1.80	\$79.82	63.37	\$12.29	9.99	\$27.69	22.01	9.02	18.8
573 Huntingdon .....				64.07		8.05		2.72		6.4
574 Johnstown* .....				84.16		10.88		2.81		7.6
575 Lancaster .....		1.83		77.60		11.68				
576 Lebanon* .....	5,684	1.18	67.13	51.16	9.81	7.10	2.20	1.68	2.02	4.9
577 Lock Haven .....				53.75		8.74		1.55		
578 McKeesport .....		1.46		69.52		9.50		3.93	2.82	7.5
579 Mahanoy .....		2.68		46.81		8.09		3.98	6.90	6.7
580 Mauch Chunk* .....						12.09		6.59		
581 Meadville .....		3.25		85.98		13.37		4.73	6.85	10.1
582 Mechanicsburgh .....		0.61		26.60		19.65		2.65		
583 Middletown* .....						7.40		4.20		
584 Monongahela* .....				80.54		10.34		4.22		9.1
585 Nanticoke .....				48.63		9.01		2.34		6.3
586 New Brighton* .....				38.64		8.62		5.23		7.6
587 New Castle .....		1.41		55.55		10.37		4.39	3.75	8.2
588 Norristown .....		1.94		101.90		15.30		4.40	3.76	9.8
589 Oil City* .....						11.51		7.68		
590 Philadelphia .....		1.16		76.47		14.96				
591 Phoenixville .....	4,445	1.11	49.36	47.77	10.86	10.51	4.47	4.32	3.45	8.2
592 Pittsburgh* .....		0.80		91.95		15.80		6.61	1.95	11.2
593 Pittston .....		2.26		72.01		9.66		2.95	3.96	6.9
594 Plymouth .....		0.94		43.71		7.83		1.95	2.10	6.3
595 Pottstown .....		1.25		75.10		10.50		6.19	2.79	8.5
596 Pottsville .....		1.87		122.40		13.99		5.30	2.95	9.6
597 Reading .....		1.98		107.18		10.58		4.98	2.87	7.8
598 Renovo .....						8.50		7.18		
599 St. Clair* .....						8.29		2.67		
600 Scranton .....		0.82		48.02		10.80		2.89	2.35	7.0
601 Shamokin* .....						6.61		2.52		
602 Sharon* .....						8.83		2.87		
603 Shenandoah .....		1.65		46.80		9.96		3.95	4.91	7.7
604 South Bethlehem* .....	5,386	1.23	65.90	69.08	10.33	10.83	2.24	2.35	2.34	6.6
605 South Easton .....		1.17		51.05		9.75		2.41	2.79	6.1
606 Steelton .....		1.00		31.52		10.68		2.91	4.32	7.6
607 Sunbury .....						8.48		2.81		
608 Susquehanna .....				73.51		8.73		5.63		8.0
609 Tamaqua .....		1.94		56.69		8.03		2.29	3.54	
610 Titusville .....		2.97		56.68		13.82		6.41	10.62	10.7
611 Towanda* .....						13.33		4.10		
612 Uniontown .....		1.39		82.80		10.05		3.05	2.20	8.2
613 Warren .....				71.32		15.14		4.16		10.7
614 Washington .....		1.45		52.56		11.27				
615 West Chester .....		2.22		170.70		18.52		9.06	3.60	14.1
616 Wilkes Barre .....				55.60		11.20		2.66		7.9
617 Williamsport .....		1.75		70.25		12.69		3.47	4.04	9.0
618 York .....		2.02		67.22		11.04		2.08	3.96	7.3
RHODE ISLAND.										
619 Bristol .....	5,861	1.16	67.92	81.66	10.35	12.44				
620 Central Falls .....				82.92		9.73		4.00		6.9
621 Newport .....	10,680	0.52	56.00	79.81	13.98	19.93	3.77	5.38		
622 Pawtucket .....	5,611	1.44	80.61	110.4	10.51	15.71	5.79	7.92	3.68	11.8
623 Providence .....	7,463	0.83	62.10	88.48	12.39	17.65	2.30	3.27	1.97	11.2
624 Woonsocket .....					7.70	19.33	2.44	6.19		13.1

\*Statistics of 1887-88.



TABLE 21.—Comparative statistics for 1882-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

	City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
				Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
	1	2	3	4	5	6	7	8	9	10	11
	SOUTH CAROLINA.		Per cent.							Mills per dollar.	Cents.
625	Charleston.....			\$20.96	\$25.89	\$11.53	\$14.25	\$1.56	\$1.93		9.0
626	Columbia.....				27.59						
627	Greenville*.....		0.52		42.98		6.97		1.57	1.03	4.7
628	Spartanburg.....		0.65		30.20		6.84		0.44	1.56	4.1
	TENNESSEE.										
629	Chattanooga.....			50.01	72.95	7.58	11.05	0.99	1.44		7.1
630	Clarksville.....	\$2,990	0.76	22.83	55.62	6.25	9.76	0.93	1.45	2.40	
631	Jackson.....			6.21	10.35	4.71	7.89				
632	Knoxville.....	1,821	1.28	23.34	41.12	6.06	10.67	0.77	1.37	3.75	6.4
633	Memphis.....						14.48		5.14		11.3
634	Nashville.....			27.34	45.89	8.27	13.89	1.31	2.21		8.9
635	Union City.....	1,179	1.74	20.48	31.31	5.72	8.75	0.63	0.95	5.39	5.4
	TEXAS.										
636	Austin.....	2,497	0.55	13.77	28.27	7.65	15.75	1.52	3.13	3.67	10.6
637	Brenham.....	2,209	0.81	18.32	36.78	9.10	18.22	0.80	1.60	4.37	10.5
638	Brownsville.....			0.80	3.98	3.59	17.86	1.07	5.32		12.1
639	Dallas.....	2,223	0.90	20.09	83.80	4.39	18.32	0.93	3.89	2.39	
640	Dennison.....			57.63	110.55	7.43	14.26	2.47	4.74		10.9
641	El Paso.....	5,350	0.64	31.63	70.21	12.10	24.53	2.70	5.47	3.30	19.8
642	Fort Worth.....	5,028	0.53	26.77	42.96	9.50	15.24	1.93	3.10	2.27	10.2
643	Galveston.....	1,899	1.93	36.65	128.00	5.25	18.85	1.16	4.05	3.38	13.5
644	Houston.....	2,244	0.75	16.98	50.54	4.79	14.26	1.19	3.56	2.67	10.2
645	Marshall.....					3.06	7.11	0.66	1.55		8.7
646	Palestine.....		0.70								
647	Paris.....	2,050	0.88	18.04	45.67	6.16	15.60	0.25	0.62	3.13	9.0
648	San Antonio*.....			14.35	70.43	4.36	21.38	0.31	1.54		11.4
649	Sherman.....	2,677	1.87	36.43	70.32	6.19	11.95	1.33	2.57	2.81	8.1
650	Waco.....			34.63	65.30	8.63	15.83	0.91	1.78		
	UTAH.										
651	Logan.....			13.92	39.81	4.54	13.28				
652	Ogden City.....	3,733	0.81	30.35	84.10	3.45	9.57	2.32	6.43	1.54	8.2
653	Provo City*.....			42.82	125.33	5.28	15.45	0.52	1.54		
654	Salt Lake City.....		0.42		48.40		11.20				
	VERMONT.										
655	Bennington*.....		1.57		131.07		12.36		8.10	2.45	10.5
656	Brattleborough.....	5,995	2.01	121.28	100.10	17.11	14.23				
657	Burlington.....					13.32	16.62	5.92	7.39		14.2
658	Rutland.....			26.18	31.68	5.77	18.01	1.34	4.20		11.7
659	St. Albans.....										
660	St. Johnsbury α.....										
	VIRGINIA.										
661	Alexandria.....	1,599	0.81	12.99	27.22	4.48	9.49	1.29	2.71	3.61	6.3
662	Danville.....			10.42	19.48	7.27	13.60	1.85	3.46		9.3
663	Fredericksburgh.....	1,742	0.75	13.08	17.26	5.26	6.94	1.15	1.52	3.68	4.5
664	Lynchburgh*.....			21.58	31.76	7.27	10.71	0.86	1.26		6.2
665	Manchester.....			21.60	44.12	4.06	8.30	1.17	2.89		6.0
666	Norfolk.....	5,403	0.34	18.59	45.16						
667	Petersburgh.....		0.74		30.96		8.71		1.87	2.54	5.7
668	Portsmouth.....			28.44	50.57	5.93	10.54	1.24	2.20		6.4

\* Statistics of 1887-88.

α Owing to a change in the school year this report covers the period between April 1, 1888, and June 30, 1889.



TABLE 21.—Comparative statistics for 1888-89 of property and expenditures of public schools of cities and villages containing over 4,000 inhabitants—Continued.

City.	Cash value of taxable property in city per capita of population 6-14.	Ratio of value of school property to total taxable property.	Value of school property per capita of—		Cost of supervision and teaching per capita of—		Cost of incidentals per capita of—		Ratio of cost of tuition and incidentals to total cash value of taxable property in city.	Average cost per day of tuition and incidentals for each pupil.
			Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.	Population 6-14.	Average daily attendance.		
1	2	3	4	5	6	7	8	9	10	11
VIRGINIA—continued.										
669 Richmond.....	\$3,566	0.90	\$22.39	\$41.65	\$9.39	\$12.07	\$1.72	\$2.22	Mills per dollar. 3.11	Cents. 7.5
670 Roanoke.....			37.04	34.43	6.09	5.67	0.96	0.89		4.1
671 Staunton.....	2,856	1.15	27.24	33.40	7.90	9.46	1.56	1.91	3.96	6.7
672 Winchester.....	2,667	0.61	16.34	23.22	4.90	8.46	1.09	1.83	2.24	5.6
WASHINGTON.										
673 Seattle.....					7.96	16.35	3.92	8.06		
674 Spokane Falls.....	6,613	1.29	85.58	104.80	11.53	14.14	3.53	4.32	2.23	9.2
675 Tacoma.....	18,053	1.18	213.10	198.50	18.76	17.52	6.89	6.43	1.42	12.0
676 Walla Walla.....	6,113	1.40	89.72	177.29	7.98	15.78				
WEST VIRGINIA.										
677 Charleston.....			37.88	52.47						
678 Grafton.....	1,624	1.36	22.09	26.01	5.47	6.53	1.04	1.25	4.00	4.9
679 Martinsburgh.....	1,761	1.64	28.85	31.61	6.08	6.67	3.49	3.82	5.42	5.5
680 Parkersburgh.....			73.30	85.76	13.02	15.11	4.27	4.95		10.0
681 Wheeling.....	4,377	1.08	47.16	70.28	9.17	13.67	2.71	4.04	2.72	8.9
WISCONSIN.										
682 Appleton.....	3,619	2.25	83.35	108.60	10.49	13.70	5.68	7.42	4.37	12.3
683 Baraboo.....	3,967	1.21	47.78	43.36	13.47	12.22	2.84	2.58	4.11	8.3
684 Beaver Dam*.....			52.95	79.84	7.27	10.96				
685 Beloit.....	3,727	3.35	124.90	126.40	12.31	12.47	3.53	3.57	4.35	8.6
686 Berlin.....	2,097	3.65	76.43	93.24	10.18	12.41	3.63	4.43	6.59	9.4
687 Chippewa Falls.....			46.91	77.36	8.62	14.22	1.78	2.93		9.6
688 Eau Claire.....	3,316	0.99	32.95	47.64	10.10	14.60	2.91	4.20	3.92	10.5
689 Fond du Lac.....	1,958	2.54	49.80	74.39	6.91	10.32	3.25	4.86	5.19	7.7
690 Fort Howard.....			42.84	64.42	8.75	13.16	1.82	2.73		8.4
691 Green Bay.....	1,956	2.60	50.88	77.84	9.08	14.22	1.31	2.01	5.27	8.1
692 Janesville.....				135.80		12.57		4.43		8.9
693 Kenosha.....	1,581	2.85	45.04		7.34		1.83		5.91	
694 La Crosse.....	2,618	2.34	60.59	79.54	11.07	14.53	2.73	3.53	5.27	9.2
695 Madison.....	4,310	2.63	113.20	158.83	10.12	14.19	4.14	5.81	3.31	10.8
696 Marinette*.....			45.12		9.87					
697 Menasha.....	1,739	1.19	20.71	37.34	7.08	12.73	1.95	3.53	5.19	8.6
698 Menomonie.....	3,226	1.22	39.41	54.88	13.44	11.40	5.00	4.42	5.70	9.1
699 Merrill.....	3,164	1.06	33.68	36.96						
700 Milwaukee.....	3,019	1.31	39.50	66.33	9.80	16.46	2.59	4.35	4.01	11.5
701 Monroe.....	5,428	1.14	61.94		10.66		3.35		2.58	
702 Neenah.....	2,517	1.93	48.64	75.09	7.61	11.80	2.94	4.55	4.19	8.9
703 Oconto.....			33.06	55.60	9.56	10.29	0.82	0.89		4.8
704 Oshkosh.....					8.03		2.13			11.5
705 Portage.....	2,433	2.24	54.46	82.68	9.52	14.45	2.09	3.18	4.77	8.8
706 Racine.....	2,090	1.66	34.76	56.73	7.92	12.94	1.29	2.12	4.41	7.6
707 Sheboygan.....	1,399	2.33	32.56	53.92	6.52	11.20	2.16	3.71	6.20	7.7
708 Stevens Point.....			37.15	64.03	7.06	12.18				
709 Watertown*.....	1,586	1.56	29.35	60.40	6.25	12.85	1.61	3.31	4.17	8.1
710 Waukesha.....	6,937	1.51	104.34	95.02	14.05	12.77	7.19	6.53	3.06	10.4
711 Wausau.....	2,494	0.98	24.61	33.96	6.57	9.07	1.56	2.15	3.26	
712 White Water.....	3,207	1.50	43.27	63.98	12.52	16.60	2.56	3.40	4.70	10.2
WYOMING.										
713 Cheyenne.....		1.31		127.03						

\* Statistics of 1887-88.

*List of cities and villages, containing over 4,000 inhabitants, which presumably maintain school systems, but concerning which no information is at hand.*

City.	State.	City.	State.
Gadsden <i>a</i> .....	Alabama.	Dixon .....	Illinois.
Tombstone .....	Arizona.	East St. Louis .....	Do.
Eureka Springs .....	Arkansas.	Englewood .....	Do.
Hot Springs .....	Do.	Mattoon .....	Do.
Alameda .....	California.	Waukegan .....	Do.
Napa City <i>b</i> .....	Do.	Marysville .....	Kansas.
Nevada City <i>b</i> .....	Do.	Frankfort .....	Kentucky.
San Diego .....	Do.	Henderson .....	Do.
Santa Ana .....	Do.	Maysville .....	Do.
Santa Barbara .....	Do.	Baton Rouge .....	Louisiana.
Stockton .....	Do.	Shreveport .....	Do.
Denver, District No. 2 .....	Colorado.	Annapolis .....	Maryland.
Denver, District No. 17 .....	Do.	Cumberland .....	Do.
Ansonia .....	Connecticut.	Helena .....	Montana.
Birmingham .....	Do.	Bath .....	New York.
Danbury .....	Do.	Corning .....	Do.
Danielsonville .....	Do.	Edgewater .....	Do.
Waterbury .....	Do.	Niagara Falls .....	Do.
Fernandina <i>c</i> .....	Florida.	Nyack .....	Do.
Gainesville <i>b</i> .....	Do.	Port Richmond .....	Do.
Jacksonville <i>c</i> .....	Do.	Saugerties .....	Do.
Key West <i>b</i> .....	Do.	Charlotte .....	North Carolina.
Tallahassee .....	Do.	Salisbury .....	Do.
Brunswick .....	Georgia.	Wilmington .....	Do.
Milledgeville <i>b</i> .....	Do.	Albany .....	Oregon.
Thomasville <i>b</i> .....	Do.	Columbia .....	Tennessee.
Alton .....	Illinois.	Murfreesborough .....	Do.
Collinsville .....	Do.	Manitowoc .....	Wisconsin.

*b* No city organization.

*c* Organization of schools prevented by yellow fever.

*a* No city school system prior to 1889-90.

## CHAPTER XXVI.

### SCHOOLS FOR THE TRAINING OF TEACHERS.

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#### NOTABLE EVENTS FOR 1888-89.

##### NEW SCHOOLS.

In three States the legislature has provided for a new normal school. Colorado calls into existence her first school, Connecticut her second, and New York her tenth in addition to putting the sixty or seventy normal classes of the academies under the control of the State superintendent, who intends to transform them into veritable training classes for the education of teachers as far as may be done with schools having so short a session. The school at Slippery Rock, Pa., and that for colored teachers at Montgomery, Ala., have been opened under favorable circumstances.

##### THE COLORADO SCHOOL.

Section 1 of the act creating a State normal school in Colorado reads as follows :

"A State normal school is hereby established at or near the city of Greeley, the purpose of which shall be instruction in the science and art of teaching, with the aid of a suitable practice department, and in such branches of knowledge as shall qualify teachers for their profession : *Provided*, That a donation shall be made of a site for said State normal school, consisting of forty acres of land, with a building erected thereon, according to plans and specifications furnished by the State board of education, and to cost not less than \$25,000, \$10,000 of which shall be paid by the State, as hereinafter provided."

The school is to be under the control of a board of six trustees appointed by the governor for a term of six years, the terms of two expiring every two years, who have also general supervision, control, and direction of its funds. They appoint the faculty and fix their salaries, and with the advice and consent of the faculty prescribe the various books to be used in the school, the courses of study and instruction (which shall in no case have fewer than three years), make all needful rules and regulations, and fix the qualifications for admission.

Every applicant for admission shall undergo an examination by the faculty, and if the applicant is not of good character or fails to pass he is to be rejected. The school is open to all persons sixteen years of age or more who are residents of the State, and to nonresidents "upon payment of a rate of tuition to be fixed by the board." To enable residents to receive tuition free they must have signed (and filed with the board of trustees) a declaration "to engage in the business of teaching in the public schools of this State."

Diplomas are granted to such students as have completed the full course of instruction and have been recommended by the faculty after having passed an examination conducted by a board composed of the State superintendent of public instruction, a county superintendent of schools within the State, and the principal. When a certified copy of this has been filed in the office of the superintendent of the county wherein the holder designs to teach, the holder is licensed to teach in any of the public schools of the State.

The trustees are to make an annual report, which is to include, among other matters, "the attendance each day, the average attendance for each week and term, and during the year, the full curriculum of instruction in said school, the classification and departments thereof, the branches taught, time devoted to each, text-books and apparatus in use, requirements for admission and graduation."

In addition to the \$10,000 appropriated for buildings, an additional \$10,000 is provided by the State for furnishing them.



## THE CONNECTICUT SCHOOL AT WILLIMANTIC.

The acts creating a second State normal school and locating it at Willimantic were passed in 1829. Section 1 of the organic act relates that "The State board of education shall maintain two normal schools as seminaries for training teachers in the art of instructing and governing in the public schools of the State, one of which shall be located east of the Connecticut River [the one already established being west of the Connecticut], and such sum as the State board of education may in each year deem necessary for their support, not exceeding in any year \$40,000 in the aggregate, shall be annually paid therefor from the treasury of the State on the order of the said board. The appointment and general management of teachers is under the control of State board, as also the finances.

Tuition is gratuitous and the regulations for admission and the number of pupils are fixed by the State board. The candidates for admission are selected by the school visitors of each town, and must file with the board a written declaration "that their object in securing admission to such school is to become qualified to teach in public schools, and that they intend to teach in the public schools of this State."

The State board may establish and maintain model schools.

By a subsequent act the school was located at Willimantic, and \$75,000 appropriated for its establishment. This appropriation, however, did not become available until the township of Windham had furnished a satisfactory site and had agreed to furnish "suitable and sufficient school buildings and model and practice schools in connection with the training department of said normal school."

## THE NEW YORK SCHOOL AT PLATTSBURGH.

By "an act to establish a normal and training school at the village of Plattsburgh" it is related that—

SECTION 1. There shall be established at the village of Plattsburgh, in the county of Clinton, a normal and training school: *Provided, however, and upon the condition,* That within one year from the passage of this act a suitable site shall be conveyed to the State for said institution, to be approved and accepted by the commissioners. \* \* \*

SEC. 2. Upon the acceptance of such conveyance, the superintendent of public instruction shall appoint a local board of managers for such school, consisting of not less than three persons. \* \* \*

SEC. 3. Upon the appointment of such board of managers, there shall be erected upon such site suitable buildings for such normal and training school \* \* \* at an expense not to exceed \$60,000.

THE TRANSFER OF THE TRAINING CLASSES IN THE ACADEMIES AND UNION SCHOOLS OF NEW YORK FROM THE MANAGEMENT OF THE BOARD OF REGENTS TO THAT OF THE STATE SUPERINTENDENT.

The board of regents of the University of New York was established in 1784, and reorganized with power to incorporate colleges and academies in 1787. The office of State superintendent was created in 1813 and abolished in 1821 and reestablished in 1854. The regents in 1834 established classes for the training of teachers in the academies, and in 1844 the deputy secretary of state having cognizance of school affairs and the regents were jointly charged with the management of the first State normal school. By the act recreating his office in 1854 the State superintendent became a member of the board of regents, and by an act of the following year that board was authorized to prescribe a course of study for teachers' classes in *academies*. The normal schools proper, with the exception of the first, have ever been under the charge of the State superintendent. In 1870 a bill making the regents subordinate to the superintendent was vetoed by the governor, since which the two educational authorities of the State have been superintending the training of teachers each in its own sphere. We have given the State superintendent's solution of the difficulty on pages 437-8 of our 1887-88 report as far as it relates to normal schools and classes. In the sequel the solution recently made by the legislature will be given. The matter is quoted from the 1890 report of the State superintendent, Mr. Draper, being his "regulations and course of study for the training classes in the academies and union schools of the State," of June 15, 1889.

"Teachers who have had experience in the instruction of training classes in the academies and union schools of the State have felt that a great advance would be attained if a uniformity of subjects pursued by these classes could be secured and a uniform standard of examination could be reached. The accomplishment of these advantages has been reached by an act of the legislature (chapter 137 of the laws of 1889), transferring the management and supervision of these classes to the superin-

tendent of public instruction. This law also enables the superintendent to harmonize the work with other instrumentalities of the State for the qualification of common-school teachers.

"In the instructions which follow, an effort has been made to secure these results. Attention is therefore called to the changes which have been made to the regulations which have been adopted and to the syllabus for uniform study and examination.

"I. *Appointments.*—To receive due consideration applications for an appointment to instruct a class should be forwarded to the department of public instruction by the 1st of July for the ensuing year. In making assignments to institutions, reference will be given to the following considerations: (1) The proper distribution of the classes among the counties of the State. (2) The location of the class to accommodate the greatest number of suitable candidates. (3) Such equipment of the institution as will give assurance of doing substantial work, both in the theory and practice of teaching. A blank form of application will be furnished to institutions requesting the same.

"The funds paid by the State for this instruction go to the management of the institution and not to any individual. Trustees [of an academy] who pay a fixed salary to their principal are requested not to allow teachers to share in this fund as an extra compensation. Where this is done it will be considered as sufficient ground for discontinuing the assignment.

"II. *Qualifications for admission.*—(1) Candidates must have attained the age of sixteen years. (2) They must subscribe in good faith to the following declaration, and the trustees, principal, and school commissioner must be satisfied that the candidates have the moral character, talents, and aptness necessary to success in teaching: 'We the subscribers, hereby declare that our object in asking admission to the training class is to prepare ourselves for teaching in the public schools of this State, and that it is our intention to become teachers.' (3) Before admission they must pass the examination for third grade license [c. p. 433, 1887-88 Report of U. S. Bu. of Ed.] under the State uniform examination; or hold the regents' preliminary certificate and a pass-card in physiology. (4) No applicant can be admitted to the privileges of the class who can not comply with all the conditions prescribed and devote the requisite time to the special work of the class.

"III. *Organization.*—(1) The class organized under the appointment must consist of not less than ten members and must be instructed for a period of not less than ten or more than thirteen weeks. Institutions will receive \$1 for each week's instruction of each member, and the whole number of weeks allowed each class must not exceed 250. \* \* \* (2) As one term does not afford sufficient time to accomplish the amount of instruction and training desirable to meet the progressive demands of the teaching service, on that account those institutions, having ample facilities and a good record in the grade and character of the instruction, may receive an appointment to instruct two classes during the year. (3) To secure the most promising candidates the following information should be fully announced some time prior to the organization of the class: The time when the class is to be organized, conditions of membership, the character and advantages of a professional course of study, the importance of this work in securing teachers' certificates. \* \* \* (5) Two periods of forty-five minutes each every school day must be employed in the instruction on the topics laid down in course of study. Outside of the time given for this separate instruction, such members of the class as have time and ability may be allowed to pursue such other subjects in the school curriculum as will be most profitable, for which, however, no tuition may be charged. \* \* \*

"IV. *Course of study.*—The following course of study is prescribed upon the advice of a committee of principals representing the union schools and the academies of the State. This committee met, after consultation with the normal-school principals, and devised a plan of study which is intended to harmonize with the normal-school work and the uniform examination for teachers' certificates.

#### *First term (1889).*

The mental powers and the laws of mental development, September 9-13.  
School economy, September 16-October 4.  
Reading and spelling, October 7-25.  
Number, October 28-November 15.  
Regents' examination, November 18-22.  
Examination of training class for second grade license, November 26.  
Methods in form study and drawing one day each week through term.

#### *Second term (1889-90).*

History of education, December 9-20.  
School law, January 6-10.  
Language, January 13-31.  
Primary geography, February 3-14.  
Methods in physiology, February 17-28.  
Examination of training class for a second grade license, March 4.  
Methods in form study and drawing, one day each week through the term.

"V. *Observation and practice work.*—The above course devotes, during the first term, six weeks to the study of methods in reading, spelling, and number; and during the second term seven weeks to the study of methods in language, primary geography,



and physiology. Part of the time given to these topics must be spent in observation and practice work under the direction of the instructor of the class, acting as critic teacher. One of the considerations specially noted in granting the application was the opportunity afforded for observation and practice work, and it is insisted that these opportunities be improved. The training class must be also a practice class. In addition to receiving the methods of teaching on the authority of the instructor it is very important that the members should be trained how to observe critically and to intelligently interpret the principles of teaching by being brought in contact with the pupils in the actual work of imparting instruction. To afford this training it is expected that the critic teacher, at least twice a week, will give an opportunity to witness practical work, either by taking the class to other departments of the school to observe the work of experienced teachers, or by bringing pupils from other departments to receive from the critic teacher a model lesson. In addition, it is recommended that each member be given actual work in teaching as often as consistent with the work of the school. At a subsequent recitation let this observation and practice work be reviewed by the critic teacher, the underlying principles clearly brought out and the proper methods forcibly presented. The time devoted to the observation work, and the criticisms on the work, will be accounted part of the regular daily periods of class instruction.

"Very much depends upon the instructor of these classes whether the instruction and practice drill are of a proper grade and character. The number of graduates sent out each year from our normal schools, the departments of pedagogical study instituted in some of our colleges, and the formation of summer schools for the special purpose of studying the best methods of teaching, are ample to furnish competent and thoroughly trained teachers to take charge of the classes. Duty to the common schools demands thoroughly trained teachers for this work. If the inspector in his visitation of these classes shall find any person in charge of the instruction who is not qualified by professional study or experience to properly conduct the class, he is instructed to report the fact to the superintendent, who will annul the appointment to instruct such a class."

The superintendent gives the syllabus of the course, but as this is very minute in its directions, covering eight pages, we are obliged to refer those who desire to study it to the superintendent's report for 1890.

For the fall term of 1889, sixty-one institutions were designated to instruct a class, of which twelve failed to organize for lack of a sufficient number to satisfy the advanced requirements for admission. For the forty-nine that organized, the following statistics are given:

Male members .....	160
Female members .....	588
Total .....	748
Average of each class .....	16
Entered on regent's preliminary certificate .....	421
Entered on third-grade certificate .....	297
Held second-grade certificate .....	58
Have taught .....	170

The above figures show a diminished attendance as compared with the operation of these classes under the former order of things; but "a very gratifying advance in the grade of scholarship and the general maturity of the membership." The loss in attendance is attributed by the inspector, Professor Hawkins, to the advance in the standard for admission, the increased time demanded for study, and the greater ease in obtaining a second-grade certificate by examination immediately than by going through the course in order to obtain it.

#### STUDENTS UNDER TRAINING FOR TEACHING IN CITIES.

In cities normal schools, departments, or classes, are being so rapidly established and in such different ways that it is hard to keep up with the increase or even to tell where it is occurring. The following table will show the number of students in cities of 4,000 and over:



TABLE 1.—*Statistics of training schools and classes, for the most part connected with city high schools, in cities with 4,000 inhabitants and over for 1888-89.*

City.	Stu- dents.	City.	Stu- dents.
Santa Cruz, Cal.	5	Fulton, N. Y.	37
Grand Forks, Dak.	8	Hornellsville, N. Y.	12
Galesburgh, Ill.	6	Ithaca, N. Y.	27
Moline, Ill.	10	Jamestown, N. Y.	37
Burlington, Iowa	13	Kingston, N. Y.	25
Cedar Rapids, Iowa	12	Malone, N. Y.	31
Davenport, Iowa.	13	Norwich, N. Y.	20
Oskaloosa, Iowa	11	Olean, N. Y.	19
Emporia, Kans.	6	Plattsburgh, N. Y.	23
Clinton, Mass.	12	Port Jervis, N. Y.	10
North Adams, Mass.	6	Columbus, Ohio.	29
Adrian, Mich.	4	Ironton, Ohio	6
East Saginaw, Mich.	8	Sandusky, Ohio.	15
Kalamazoo, Mich.	8	Steubenville, Ohio	16
Saginaw, Mich.	6	Beaver Falls, Pa.	6
Kansas City, Mo.	83	Chester, Pa.	8
St. Charles, Mo.	2	Nanticoke, Pa.	10
Carson City, Nev.	20	New Castle, Pa.	10
Eureka, Nev.	2	Norristown, Pa.	10
Portsmouth, N. H.	9	Pittston, Pa.	4
Elizabeth, N. J.	11	York, Pa.	5
Plainfield, N. J. (post-graduates)	3	El Paso, Tex.	3
Salem, N. J.	5	Houston, Tex.	8
Trenton, N. J.	16	Petersburgh, Va.	34
Albion, N. Y.	20	Richmond, Va.	28
Batavia, N. Y.	8	Appleton, Wis.	25
Canandaigua, N. Y.	13	Eau Claire, Wis.	16
Dansville, N. Y.	15	Green Bay, Wis.	5
Flushing, N. Y.	12	Stevens Point, Wis.	12

## SUMMARY BY GEOGRAPHICAL DIVISIONS.

North Atlantic Division	a424
South Atlantic Division	62
South Central Division	11
North Central Division	314
Western Division	27
The Union	838

## STATISTICS OF NORMAL SCHOOLS AS REPORTED FOR 1888-89.

Until 1887 the questions asked on the blank forms of inquiry annually sent out by this Bureau regarding the scholastic character of the attendance at the normal schools of the country were these:

9. Number of different normal students in attendance during the last school year: Male, —; female, —.
10. Number of other students of secondary or high-school grade in attendance during the last school year: b Male, —; female, —.
11. Is there a model school attached to the institution? —

In the following year (1888) the form was changed to enable the Bureau to ascertain what number were actually being trained for teaching. The inquiry as to attendance was now couched in the following terms:

5. Number of different students enrolled within the year: \* Male, —; female, —; total, —.
7. Number in teachers' training course: Male, —; female, —; total, —.
8. Average daily attendance of normal pupils: Male, —; female, —; total, —.
9. Number below the academic or high-school grade: c Male, —; female, —; total, —.
11. Number receiving special training for kindergartens, —.
12. Number in commercial course: Male, —; female, —; total, —.
13. Number of pupils taught in practice training school, —.

a By referring to p. 956 it will be seen that for the first session 1889-90, 748 pupils were enrolled in the teachers' training classes in the academies and union schools of New York, a decrease. The statistics of the above table are for 1888-89; but of the 424 students in the North Atlantic Division, only 309 are for New York. In other words, it must be remembered that the statistics of the above table are for cities of 4,000 inhabitants and over.

b The answer to this question should not include students in the model department when such students are below the secondary or high-school grade.

c Not including pupils in practice training school.

Nor was this satisfactory. The answer to the eighth inquiry was frequently larger than the answer to the seventh, and the seventh and the thirteenth were sometimes taken to be the same inquiry in different terms. In the inquiry for the following year an attempt was made to bring these questions into a series, thus:

7. Number of students—

- (a) In the science and art of teaching: Male, \_\_\_\_\_; female, \_\_\_\_\_; total, \_\_\_\_\_.
- (b) In academic or high school studies: Male, \_\_\_\_\_; female, \_\_\_\_\_; total, \_\_\_\_\_.
- (c) In kindergarten methods: male, \_\_\_\_\_; female, \_\_\_\_\_; total, \_\_\_\_\_.
- (d) In commercial course: Male, \_\_\_\_\_; female, \_\_\_\_\_; total, \_\_\_\_\_.
- (e) In other departments: Male, \_\_\_\_\_; female, \_\_\_\_\_; total, \_\_\_\_\_.
- (f) Entire number, counting none twice: Male, \_\_\_\_\_; female, \_\_\_\_\_; total, \_\_\_\_\_.

This seems to have answered very well, but there are two objections to it. In the first place, *a* and *b* are not mutually exclusive, and in the second, each correspondent is left to interpret the meaning of the expression "the science and art of teaching" for himself. To come to some approximate knowledge of what meaning each placed on this term a number of questions were asked on the last page of the form of inquiry. What these questions were, and the answers to them, have already been given in Chapter XIII. In the following summary the answers to *a*, *b*, and *c* of the last scheme above are given by the side of the more important columns showing the number of pupils reported in the science and art of education. In some cases, however, it was impossible to exclude the replies to *d*, and, in two or three cases, to *e*.

#### PUBLIC NORMAL SCHOOLS.

*Attendance.*—During 1888-89 it appears from the following table that 23,618 persons were pursuing a course of study in the science and art of teaching in the 129 schools which report themselves as having such students. Of these students 71 in every hundred were women, a slight increase over the percentage of 1887-88, when 112 schools reported themselves as having students in a "teachers' training class." If we divide the number of students in the science and art of teaching by the number of schools reporting themselves as having such students during 1888-89 we find that for the year under review (1888-89) there were 175 students to each of the 129 schools reporting. For 1887-88 there were but 154 to each of the 112 schools reporting for that year.

During the year under review there were 28,092 pupils in 124 schools whose statistics may be used, or 228 students to each school. During the preceding year there were 243 students to the 133 schools whose statistics were used. In the 123 schools for 1888-89, 70 per cent. of the attendance were women, a slight increase over the percentage of 1887-88, when it was 69 per cent.

Twenty schools report 1,216 students under kindergarten training, and 56 report 8,370 students in secondary studies, but in some cases these secondary students appear to have been included also in the science and art of teaching course.

TABLE 2.—*Teachers and pupils in public normal schools. (Summary of similar columns of Table 5.)*

State.	Number of schools.	Instructors.			Pupils (academic and professional).						
		Schools re- porting.	Male.	Female.	Whole number.			In science and art of teach- ing.			
					Schools re- porting.	Male.	Female.	Schools re- porting.	Male.	Female.	Graduates.
Alabama .....	7	7	34	43	7	(399)		6	248	321	113
Arizona .....	1	1	1	0	1	408	567	1	8	18	0
Arkansas .....	1	1	4	3	1	10	18	1	15	30	8
California .....	4	4	15	80	4	(525)		4	(590)	120	186
Connecticut .....	3	3	5	29	3	50	377	3	3	369	121
Dakota .....	12	2	6	14	2	215	292	2	90	139	20
District of Columbia .....	2	2	(7)	5	2	10	70	2	10	70	80
Florida .....	12	2	4	2	2	55	81	1	35	47	12
Georgia .....	1	1	1	2	1	85	66	1	75	40	.....
Illinois .....	3	3	23	36	3	556	913	3	306	617	28
Indiana .....	3	3	22	14	2	483	353	3	498	359	36
Iowa .....	5	5	9	21	4	275	511	3	187	414	79
Kansas .....	1	1	7	6	1	260	462	1	260	419	39
Kentucky .....	1	1	.....	.....	1	0	38	1	0	38	.....
Louisiana .....	2	2	5	9	2	11	165	2	4	126	11
Maine .....	5	5	8	19	5	209	494	4	119	418	117
Maryland .....	1	1	3	7	1	35	286	1	35	286	72
Massachusetts .....	10	10	24	55	10	118	1,375	10	118	1,375	417
Michigan .....	1	1	16	11	1	253	430	1	253	430	90
Minnesota .....	5	5	16	41	5	(436)		5	(150)	386	197
Mississippi .....	2	2	3	3	2	84	254	2	154	386	8
Missouri .....	5	5	29	24	3	107	67	5	60	41	.....
Nebraska .....	2	2	7	7	1	(301)		5	(301)	576	270
New Hampshire .....	12	2	4	8	2	328	521	2	385	576	83
New Jersey .....	3	3	11	32	3	76	187	2	37	83	74
New York .....	14	14	58	135	14	1	97	2	1	97	41
North Carolina .....	4	4	8	8	3	298	638	3	26	340	127
Ohio .....	4	4	10	16	4	(863)		14	(770)	879	.....
Oregon .....	2	2	3	6	2	581	3,649	4	472	3,400	5
Pennsylvania .....	14	13	105	119	9	95	123	4	94	116	98
Rhode Island .....	1	1	2	5	1	20	232	4	20	229	5
South Carolina .....	1	1	1	4	1	83	53	2	51	23	16
Tennessee .....	3	3	10	20	2	1070	2,840	13	1,304	1,816	735
Texas .....	2	2	10	6	1	3	167	1	3	167	24
Vermont .....	3	3	3	15	3	0	51	1	0	51	34
Virginia .....	4	4	49	48	4	176	145	3	200	256	117
West Virginia .....	6	6	13	18	6	108	162	2	208	202	190
Wisconsin .....	6	6	24	61	5	(185)		3	(185)	164	71
Total .....	138	136	(7) 546	922	124	(2,709) 7,518	17,883	129	(1,996) 5,989	14,633	4,564

*Income.*—The income from public sources considered as a total for the whole country shows but a small increase. The receipts from other sources given in the following table can not be compared with the total of a similar column in the report preceding this. In that the general question was asked, "Aid from other sources received within the year?" and the answers tabulated. In the present report the Bureau has computed the item from data given in answer to a series of questions. The amount expended for building and repairs is a new item and in several cases is included in one of the two other columns of Table 3. It will be observed that *prima facie* about one-third of the amount received was expended in buildings and repairs, but the fallacy of such figuring is easily shown by taking the case of the new school at Chico where the appropriation was \$29,000, while the amount expended on buildings was \$100,000. The State normal school at Framingham, Mass., expended \$115,000, and the new school at Oneonta, N. Y., \$114,000; in the case of the Massachusetts school the appropriation for the year was \$14,000, while no appropriation for the year 1888-89 seems to have been made for the New York school.



TABLE 3.—*Aid from public funds and other sources (summary of similar columns of Table 6).*

	From State, county, or city.	From other sources.	Expended during year for building and repairs.
Alabama .....	\$27, 075	\$12, 605	\$6, 511
Arizona .....	6, 000	0	0
Arkansas .....	2, 600	6, 700	4, 500
California .....	86, 000	3, 400	100, 300
Connecticut .....	21, 580	1, 560	0
Dakota .....	47, 250	0	6, 900
Florida .....	8, 000	0	2, 493
Georgia .....	800	0	4, 500
Illinois .....	79, 553	12, 026	2, 337
Indiana .....	31, 300	0	0
Iowa .....	38, 300	1, 260	10, 600
Kansas .....	3, 650	a 22, 200	250
Kentucky .....	2, 600	0	0
Louisiana .....	9, 100	2, 000	0
Maine .....	20, 166	0	10, 500
Maryland .....	10, 500	0	2, 000
Massachusetts .....	93, 583	100	117, 150
Michigan .....	42, 875	b 9, 610	20, 704
Minnesota .....	50, 000	4, 718	500
Mississippi .....	4, 000	9, 000	1, 000
Missouri .....	62, 121	12, 030	4, 700
Nebraska .....	17, 550	c 1, 600	0
New Hampshire .....	11, 800	0	0
New Jersey .....	22, 123	14, 000	3, 100
New York .....	308, 774	5, 362	160, 763
North Carolina .....	6, 500	340	75
Ohio .....	4, 650	3, 000	1, 500
Oregon .....	0	d 2, 879	0
Pennsylvania .....	126, 247	d 77, 187	35, 922
Rhode Island .....	12, 000	0	147
South Carolina .....	1, 020	0	2, 069
Tennessee .....	11, 000	22, 089	8, 837
Texas .....	35, 500	4, 200	1, 000
Vermont .....	8, 664	e 1, 582	0
Virginia .....	55, 500	f 98, 159	36, 500
West Virginia .....	14, 072	g 5, 614	1, 175
Wisconsin .....	2, 000		
Total .....	1, 284, 453	333, 161	546, 033

a \$16,500 as interest on invested funds.

b \$4,287 as interest on invested funds.

c From interest on invested funds.

d \$10,366 interest on invested funds.

e \$600 interest on invested funds.

f \$10,000 interest on invested funds.

g \$600 interest on invested funds.

*The New York College for the Training of Teachers, New York City.*—Provisionally the statistics of this college have been inserted in the table of private normal schools though they have not been included in the summary of that table following the precedent of the Bureau's report for 1887-'88.

## PRIVATE NORMAL SCHOOLS.

Eighteen private normal schools report in all 1,324 students in secondary studies, 4 collectively report 74 students under kindergarten instruction, and 13 report 694 students in a commercial course. In answer to the inquiry as to the number of students in "other departments," 15 schools report 1,149 students. In the summary that follows, 1,323 students do not appear, as the principals of the schools reporting them were unable to classify them according to our scheme; nor has the number of commercial students been included in the figures of the following table. From these schools 315 normal pupils were graduated during the year.

TABLE 4.—*Teachers and pupils in private normal schools (summary of similar columns of Table 7).*

	Number of schools.	Instructors.				Whole number of pupils in academic and professional departments				Pupils in science and art of teaching.			
		Schools reporting item.	Male.	Female.	Total.	Schools reporting item.	Male.	Female.	Total.	Schools reporting item.	Male.	Female.	Total.
Alabama .....	2	2	4	11	15	2	18	62	80	13	11	32	43
Arkansas .....	1	1	3	2	5	1	25	36	61	1	25	36	61
California .....	1	1	12	4	15					1	20	70	90
Georgia .....	2	1	6	4	10	1	(129)		129	1	15	27	42
Illinois .....	4	4	24	12	36	2	(281)		409	3	130	173	303
Indiana .....	4	4	29	17	46	3	45	83					
Iowa .....	5	5	34	14	48	4	525	370	895	3	385	270	655
Kansas .....	1	1	9	4	13		(1570)		1,754	5	(1,410)		1,650
Kentucky .....	2	2	9	4	13	1	64	120			83	157	
Louisiana .....	1	1	3	13	16	1			150	1	(175)		175
Michigan .....	1	1	3	0	3	1	62	88	150	1	37	52	89
Mississippi .....	3	3	11	10	21	2	0	5	5	1	0	5	5
Missouri .....	1	1	1	2	3	1	23	17	40	1	23	17	40
Nebraska .....	2	2	10	6	16	2	93	140	233	3	(131)		200
North Carolina .....	2	2	7	4	11	1	31	38			31	38	
Ohio .....	4	4	16	12	28	4	64	45	109	1	13	9	22
Pennsylvania .....	1	1	6	0	6	2	121	156	277	2	88	112	200
South Carolina .....	3	3	5	12	17	2	37	38	75	2	62	68	130
Tennessee .....	1	1	3	10	13	1	254	146	400	4	106	58	164
Texas .....	1	1	2	10	12					1	98	97	195
Washington .....	1	1	3	10	13	1	47	77	124	3	31	29	60
West Virginia .....	1	1	2	1	3	1	23	9	32	1	106	131	237
Wisconsin .....	2	2	10	2	12	1	16	30	46	1	10	4	14
Total .....	46	46	212	158	370	32	(1,980)		5,051	42	(1,716)		4,487
							1,589	1,482			1,349	1,716	

TABLE 5.—Attendance at Public Normal Schools for 1888-89.

Post-office address.	Name of school.	Year of opening.	Executive officer.	Instructors.				Students in—				Whole number of professional and academic students.		Graduates.		
				Male.	Female.	Male.	Female.	Science and art of teaching.		Academic studies.	Kindergarten methods.	Male.	Female.	Since opening 1888-89.	Normal.	Other for 1888-89.
								Male.	Female.							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1 Birmingham, Ala.....	Normal training class.....	1888	Miss Mary W. Rode.....	0	1	0	17	0	0	0	0	0	17	10	6	0
2 Florence, Ala.....	State Normal College.....	1873	James K. Powers.....	5	4	90	89	50	0	120	100	146	29	0	0	0
3 Huntsville, Ala.....	State Normal and Industrial School.....	1873	W. H. Council.....	4	6	65	80	2	0	66	90	46	6	0	0	0
4 Jacksonville, Ala.....	State Normal School.....	1883	Carleton B. Gibson.....	3	4	13	18	164	0	87	108	24	7	1	1	1
5 Livingston, Ala.....	Alabama Normal College for Girls.....	1883	James W. A. Wright.....	3	7	0	42	43	40	0	125	45	16	5	5	5
6 Troy, Ala.....	State Normal School.....	1887	Edwin R. Eldridge.....	6	7	80	75	107	0	135	127	30	27	1	1	1
7 Tuskegee, Ala.....	Tuskegee State Normal and Industrial School.....	1881	B. T. Washington.....	13	14					(399)		42	22			
8 Tempe, Ariz.....	The Territorial Normal School.....	1886	Robert L. Long.....	1	0	8	18	28	0	10	18	0				
9 Pine Bluff, Ark.....	Branch Normal College of Arkansas Industrial University.....	1875	Joseph C. Corbin.....	4	3	15	30	25	0	15	30	30	8	21		
10 Chico, Cal.....	State Normal School.....	1889	Edward T. Pierce.....	4	1	20	70	0	0	20	70	0	0	0	0	0
11 Los Angeles, Cal.....	do.....	1882	Ira More.....	3	6	a(65)				30	267	240	57	0	0	0
12 San Francisco, Cal.....	Normal Department of Girls' High School.....	1876	Mrs. M. W. Kincaid.....	0	1	0	60									
13 San José, Cal.....	State Normal School.....	1862	C. W. Childs.....	8	16	(525)		0	0	(525)		1,443	129	0		0
14 New Britain, Conn.....	Connecticut Normal and Training School.....	1860	Charles D. Hine.....	3	17	3	317	0	16	3	333		76	6		6
15 New Haven, Conn.....	Cedar Street Training School *.....	1869	Maria L. Breen.....	0	2	0	26	0	0	0	26		19	0		0
16 do.....	Welch Training School.....	1884	M. Virginia Fogle.....	2	10	0	26		all	0	26	148	26	0		0
17 Madison, Dak.....	State Normal School.....	1883	William F. Gorrie.....	4	5	45	62	200		170	215		6	0		0
18 Spearfish, Dak.....	do.....	1884	Fayette L. Cook.....	2	9	45	77	0		45	77	24	14	0		0
19 Washington, D. C.....	Minor Normal School.....	1879	Lucy B. Molen.....	2	5	6	34	0	0	6	34	176	40	0		0
20 do.....	Washington Normal School <sup>b</sup> .....	1873	Emma S. Atkinson.....	(7)		4	36	0	0	4	36	326	40			
21 Do. Tuniak Springs, Fla.....	Florida State Normal College.....	1887	Henry N. Felkel.....	2	1	35	47	82		35	47	12	12	0		0
22 Tallahassee, Fla.....	State Normal College for Colored Teachers.....	1887	T. De S. Tucker.....	2	1			54		20	34	0	0	0		0
23 Fairburn, Ga.....	Fairburn High School.....	1846	Robert L. Paine.....	1	2	75	40	115	51	85	66					
24 Carbondale, Ill.....	Southern Illinois Normal University.....	1874	Robert Allen.....	8	11	251	272	106	12	361	340		8	0		0
25 Englewood, Ill.....	Cook County Normal School *.....	1868	Francis W. Parker.....	5	11	3	130			63	230					
26 Normal, Ill.....	Illinois State Normal University.....	1857	Edwin C. Howett.....	10	17	62	115	408	0	192	443	590	20	11		7
27 Covington, Ind.....	Indiana Normal College *.....	1886	J. V. Coombs.....	7	1	15	6						15			0
28 Indianapolis, Ind.....	Indianapolis Normal School.....	1866	M. E. Nicholson.....	1	2	0	30	0	0	0	0	414	21			0



29	Terro Haute, Ind.	1870	11	483	323	806	0	483	323	0	56	0
30	Cedar Falls, Iowa	1876	4	1876	376	0	0	165	376	184	8	8
31	Des Moines, Iowa	1882	0	8	165	0	0	0	0	0	0	0
32	Sioux City, Iowa	1889	0	6								
33	Storm Lake, Iowa	1887	2	1	22	30	10	0	450	39	12	8
34	Woodbine, Iowa	1887	3	2					60	80	7	1
35	Emporia, Kans	1865	7	6	209	419	679	131	260	462	365	2
36	Louisville, Ky.	1871			0	38			0	38		
37	Natchitoches, La	1885	2	3	4	16	46	0	11	55	37	11
38	New Orleans, La	1885	3	6	0	110			0	110	62	0
39	Castine, Me	1867	2	4	*38	*144			*58	*144	481	36
40	Farmington, Me	1864	1	6	40	165	0	0	40	165	658	30
41	Gorham, Me	1879	2	5	21	97			21	97	411	37
42	Portland, Me	1878	1	2	0	12			0	12	109	12
43	Springfield, Me	1886	2	2					90	76	2	0
44	Baltimore, Md.	1866	*3	*7	35	286	0	0	35	286	626	72
45	Boston, Mass	1852	3	6	0	169			0	169	974	84
46	do	1873	3	6	35	159	0	0	35	159	89	12
47	Bridgewater, Mass	1840	3	6	71	161	0	0	71	161	2,154	69
48	Fall River, Mass	1881	0	2	0	18	0	0	0	18	159	0
49	Frammingham, Mass	1839	1	13	0	154	0	0	0	154	1,640	30
50	Haverhill, Mass	1881	0	2	0	13	0	0	0	13	4	0
51	Lawrence, Mass	1869	1	1	0	18	0	0	0	18	10	0
52	Salem, Mass	1854	2	11	0	292			292	1,670	129	0
53	Westfield, Mass	1859	4	4	8	159	0	0	8	159	39	0
54	Worcester, Mass	1874	3	6	4	241	0	0	4	241	400	40
55	do	1853	16	11	*253	*430	663	0	253	430	1,641	97
56	do	1868	8	84	184	0	0	0	84	184	418	52
57	Mankato, Minn	1887	0	2	0	37	0	0	0	37	48	26
58	St. Cloud, Minn	1869	4	9	70	132	0	0	0	70	389	28
59	St. Paul, Minn	1883	3	10	33	33	33	0	33	135	29	0
60	Winona, Minn	1860	4	13	(150)	200	74	0	200	800	62	0
61	Holly Springs, Miss	1870	1	2	44	32	149	0	91	58	46	8
62	Tougaloo, Miss	1869	2	1	16	9			16	9	39	0
63	Cape Girardeau, Mo	1873	7	3	(301)				(301)	83	7	0
64	Jefferson City, Mo	1866	4	3	21	15				52	5	0
65	Kirksville, Mo	1871	9	3	36	40				98	76	0
66	St. Louis, Mo	1857	2	8	0	110			0	110	1,197	104
67	Warrensburg, Mo	1871	7	7	328	411	0	0	328	411	805	78
68	Bloomington, Neb	1867	2	0	3	5				2	2	0
69	Peru, Neb	1867	5	0	34	78	151	0	76	187	600	72
70	Manchester, N. H.	1869	0	1	0	9	0	0	0	9	e549	14

Twenty-six of these in commercial course.  
Not including 120 pupils in the "preparatory department."

b For 1886-87  
c Assumed.

\* For 1887-88.  
 α The number in professional studies.







TABLE 6.—Financial statistics of public normal schools for 1888-89.

	Name of institution. (For location see preceding table.)	Revenue from—				Expend- ed dur- ing year for build- ing and re- pairs.	Amount of in- vested funds.	Tuition.		Weeks in school year.	Years in course of science and art teach- ing.
		State ap- propria- tion.	City ap- propria- tion.	Interest on in- vested funds.	Other sources (exclud- ing board and lodg- ing).			Science and art of teach- ing.	Acad- emic de- part- ment.		
		16	17	18	19	20	21	22	23	24	25
<b>ALABAMA.</b>											
1	Normal Training Class, Birmingham.....										
2	State Normal School, Florence.....	\$7,500	0	0	\$4,519	\$1,611	0	\$6	\$30	36	1
3	State Normal and Industrial School.....	4,000	0	0	966	1,900	0	0	0	36	3
4	State Normal School, Jacksonville.....	2,800	9	0	2,350	0	0	0	20-30	40	3
5	Alabama Normal College for Girls.....	2,500	\$275	0	2,000	1,500	0	(2-5)	0	40	2-4
6	State Normal School, Troy.....	3,000	4,000	0	2,750	1,500	0	0	27.50	36	3,5
7	Tuskegee State Normal and Industrial School.....	3,000	0	0	0	0	0	0	0	36	4
<b>ARIZONA.</b>											
8	The Territorial Normal School.....	6,000	0	0	0					40	-----
<b>ARKANSAS.</b>											
9	Branch Normal College of Arkansas Industrial University.....	2,600	0	0	6,700	4,500	0	10	10	40	2
<b>CALIFORNIA.</b>											
10	State Normal School, Chico.....	22,000	0	0	0	160,000	0	0	0	40	3
11	State Normal School, Los Angeles.....	18,000	0	0	0	0	0	0	0	40	1.5
12	Normal Department of Girls' High School, San Francisco.....										
13	State Normal School, San José.....	39,000	0	0	3,400	300	0	0	0	40	3
<b>CONNECTICUT.</b>											
14	Connecticut Normal and Training School.....	20,000	1,580	0	1,500	0	0	0	0	40	1
15	Cedar Street Training School, New Haven *.....										
16	Welch Training School.....						0	0	0	40	1
<b>DAKOTA.</b>											
17	State Normal School, Madison.....	31,700	0	0	0	0	0	0	0	40	3
18	State Normal School, Spearfish.....	15,550	0	0	0	6,900	0	0	0	38	2

## STATISTICS OF NORMAL SCHOOLS.

967

DISTRICT OF COLUMBIA.		0		0	0	0	0	0	0	40	1
19	Miner Normal School.....										
20	Washington Normal School.....										
FLORIDA.											
21	Florida State Normal College.....	4,000	0	0	0	2,493	0	0	0	36	2
22	Florida State Normal School for Colored Teachers.....	4,000	0	0	0	0	0	0	0	38	1
GEORGIA.											
23	Fairburn High School.....	300	500	0		4,500	0	1	1	40	
ILLINOIS.											
24	Southern Illinois Normal University.....	*27,000	0	0	3,753	1,113	0	0	14	39	2
25	Cook County Normal School.....	23,000	0	0	0	0					
26	Illinois State Normal University.....	27,493	0	0	8,268	1,224	0			39	3
INDIANA.											
27	Indiana Normal College *.....	1,300									
28	Indianapolis Normal School.....	0								38	
29	Indiana State Normal School.....	30,000	0	0	0	0	0	0	0	39	1
IOWA.											
30	Iowa State Normal School.....	37,300	0	0	0	10,600	0	0		40	4
31	West Des Moines Training School.....	0		0	0	0	0	0	0	36	1
32	Sioux City Training School.....	0		0	0	0	0	0	0	40	1
33	Storm Lake Normal and Business School.....	0	1,000	0	1,200	0	0	32	32	40	3
34	Woodbine Normal School.....							0	0	40	1-2
KANSAS.											
35	Kansas State Normal School.....	3,650	0	16,500	6,700	250	275,000	0	0	40	1
KENTUCKY.											
36	Louisville Normal School *.....	2,600									
LOUISIANA.											
37	Louisiana State Normal School.....	8,500	0	0	2,000	0	0	0	0		2
38	New Orleans Normal School *.....		600								

α For 1889-91.

\* For 1887-88.

TABLE 6.—Financial statistics of public normal schools for 1888-89.—Continued.

Name of institution. (For location see preceding table.)	Revenue from—				Expend- ed dur- ing year for build- ing and repairs.	Amount of in- vested funds.	Tuition.		Weeks in school year.	Years in course of science and art teach- ing.
	State ap- propria- tion.	City ap- propria- tion.	Interest on in- vested funds.	Other sources (exclud- ing board and lodg- ing).			Science of teach- ing.	Aca- demic de- part- ment.		
2	16	17	18	19	20	21	22	23	24	25
MAINE.										
39 Eastern State Normal School .....	\$6,633	0	0	0	\$8,000	0	0	0	38	.....
40 State Normal and Training School, Farmington .....	6,500	0	0	0	2,500	0	0	0	38	2
41 State Normal School, Gorham * .....	6,333	.....	.....	.....	.....	.....	\$5	\$5	.....	.....
42 Practice School, Portland .....	0	0	0	0	0	0	0	0	39	2
43 Springfield Normal School * .....	700	.....	.....	.....	.....	.....	8	8	.....	.....
MARYLAND.										
44 Maryland State Normal School .....	10,500	0	0	0	2,000	0	0	50	39	3
MASSACHUSETTS.										
45 Boston Normal School * .....	15,500	0	0	0	0	0	0	0	37	2
46 Massachusetts Normal Art School .....	17,010	0	0	0	0	0	0	0	38	2-4
47 State Normal School, Bridgewater .....	0	0	0	0	0	0	0	0	40	1-2
48 Fall River Training School .....	0	0	0	0	0	0	0	0	40	2
49 State Normal School, Framingham .....	14,000	0	0	0	115,000	0	0	0	40	1-5
50 Haverhill Training School .....	0	\$2,927	0	0	0	0	0	0	40	1-5
51 Lawrence Training School .....	16,470	0	0	0	2,000	0	0	0	40	5
52 State Normal School, Salem .....	13,750	0	\$100	\$60	150	0	0	0	40	2-3
53 State Normal School, Westfield .....	13,000	0	0	0	0	0	0	0	40	2
54 State Normal School, Worcester .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MICHIGAN.										
55 State Normal School .....	42,875	0	4,287	5,323	20,704	\$61,235	0	10	40	2
MINNESOTA.										
56 State Normal School, Mankato .....	16,000	0	0	1,418	0	0	0	19	38	2-3
57 Teachers' Training Class, Minneapolis .....	0	0	0	0	0	0	0	0	38	1
58 State Normal School, St. Cloud .....	16,000	0	0	1,000	0	0	0	30	38	3-4
59 Teachers' Training School, St. Paul .....	0	0	0	0	0	0	0	20	38	1
60 State Normal School, Winona .....	18,000	0	0	2,300	500	.....	.....	.....	38	1



61	State Normal School, Holly Springs	2,500	0	0	0	1,000	0	0	0	0	38	2
62	Normal Department of Tougaloo University*	1,500	0	0	0	0	0	0	0	0	0	0
MISSISSIPPI												
MISSOURI												
63	Missouri State Normal School, Cape Girardeau	13,000	4,000	0	2,065	3,900	0	0	0	0	40	0
64	Lincoln Institute, Jefferson City	3,000	0	0	0	0	0	0	0	0	0	0
65	Missouri State Normal School, Kirksville *	12,500	0	0	0	0	0	0	0	0	20	1
66	St. Louis Normal School	0	10,221	0	0	0	0	0	0	0	40	0
67	State Normal School, Warrensburg	12,500	0	0	9,965	800	0	0	0	0	20	3
NEBRASKA												
68	Bloomington Normal School *	17,550	0	1,000	0	0	0	0	0	0	38	2
69	Nebraska State Normal School	0	0	0	0	0	70,000	0	0	0	0	0
NEW HAMPSHIRE												
70	City Training School, Manchester	0	2,800	0	0	0	0	0	0	0	37	1
71	New Hampshire State Normal School	7,000	2,000	0	0	0	0	0	0	0	40	2
NEW JERSEY												
72	Nowark Public Normal School	0	2,123	0	0	0	0	0	0	0	40	2
73	Normal Training Class, Paterson *	0	0	0	0	0	0	0	0	0	0	0
74	New Jersey State Normal School	20,000	0	0	14,000	3,100	0	0	0	26-40	38	2
NEW YORK												
75	State Normal School, Albany	23,500	0	0	0	688	0	0	0	0	40	2
76	Teachers' Training Class, Albany	0	500	0	0	0	0	0	0	0	32	1
77	Training School for Teachers, Brooklyn	0	12,000	0	0	150	0	0	0	0	40	1
78	State Normal School, Buffalo	26,500	4,250	0	561	5,000	0	0	0	40	40	1
79	State Normal and Training School, Cortland	19,333	0	0	0	2,039	0	0	0	0	40	1
80	State Normal and Training School, Fredonia	18,500	0	0	0	0	0	0	0	0	40	1
81	State Normal and Training School, Genesee	21,000	0	0	0	0	0	0	0	0	40	1
82	State Normal and Training School, New Paltz	16,075	800	0	1,420	1,000	0	0	0	24	40	4
83	Female Normal College, New York City	0	118,500	0	1,107	18,440	0	0	0	24,32	40	1
84	State Normal School, Oneonta	0	0	0	0	10,500	0	0	0	0	40	3
85	State Normal and Training School, Oswego	21,000	0	0	0	114,000	0	0	0	24,32	40	5
86	State Normal and Training School, Potsdam	26,816	0	0	2,274	1,736	0	0	0	0	40	1
87	Teachers' Training Class, Rochester	0	0	0	0	7,203	0	0	0	28	40	1
88	Syracuse Training School	0	0	0	0	0	0	0	0	0	40	1
NORTH CAROLINA												
89	State Colored Normal School, Fayetteville	2,000	0	0	0	50	0	0	0	0	36	3
90	State Colored Normal School, Goldsborough	1,500	0	0	190	0	0	0	0	0	40	0
91	Plymouth State Normal School	1,500	0	0	150	25	0	0	0	0	40	4
92	State Colored Normal School, Salisbury *	1,500	0	0	0	0	0	0	0	0	0	0

\*For 1887-88.

TABLE 6.—Financial statistics of public normal schools for 1888-89—Continued.

	Name of institution. (For location see preceding table.)	Revenue from—				Expend- ed dur- ing year for build- ing and repairs.	Amount invested in funds.	Tuition.		Weeks in school year.	Years in course of science and art of teach- ing.
		State ap- propriation.	City ap- propriation.	Interest on in- vested funds.	Other sources (exclud- ing board and lodg- ing).			Science of teach- ing.	Aca- demic de- part- ment.		
	2	16	17	18	19	20	21	22	23	24	25
OHIO.											
93	Normal Department of the Ohio University.....				3,000	1,500	0		27	39	1.5
94	Cincinnati Normal School.....	4,650	0	0	0		0	0	0	40	1
95	Cleveland Training School.....	0		0	0	0	0	0	40	40	1
96	Dayton Normal School.....	0		0	0	0	0	0	0	40	1
OREGON.											
97	Ashland State Normal School.....	0	0	0	2,000	0	0	32	32	36	2.4
98	Drain Academy and State Normal School.....				879				33	36	3
PENNSYLVANIA.											
99	State Normal School, Bloomsburg.....			10,366	0	392	0	52.50	52.50	42	2
100	Southwestern State Normal School.....	9,000	0	0	10,000	3,000	0	52.50	52.50	42	1
101	State Normal School, Clarion.....	5,000	0	0	10,000	1,500	0	21	42	42	2
102	State Normal School, Edinborough *.....	12,000			10						
103	Teachers' Training Class, Erie.....									40	
104	Indiana Normal School of Pennsylvania *.....	5,000	0	0	27,811			50			
105	Keystone State Normal School.....	7,500	0	0		2,230	0	40	40	42	2
106	Central State Normal School.....	5,000	0	0	8,000	0	0	52.50	52.50	42	2
107	Pennsylvania State Normal School, Mansfield.....	7,500	0	0	11,000	20,000	0	42	42	42	3
108	Pennsylvania State Normal School, Millersville *.....	15,000					0	42	42		
109	Girls' Normal School, Philadelphia.....	0	48,247	0	0	2,800	0	0	0	43	1
110	Training School for Teachers, Reading.....	0	2,000	0	0					40	2
111	Cumberland Valley State Normal School *.....	5,000						63	63		
112	West Chester State Normal School.....	5,000	0	0		6,000	0	65	65	42	3
RHODE ISLAND.											
113	Rhode Island State Normal School.....	12,000	0			147		0		40	3
SOUTH CAROLINA.											
114	Winthrop Training School.....	1,020	0	0	2,069	0	0	0		36	1

TENNESSEE.		500	0	0	6,500	200	0	6	6	2
115	Normal Department of Knoxville College.....	0	500	0	4,642	5,137	0	27	36	2
116	Morristown Normal Academy.....	10,000	0	0	10,947	3,500	0	6	40	4
117	Peabody Normal College.....									
TEXAS.		15,500	0	0	4,200	1,000	0	5	5	2
118	Prairie View State Normal School*.....	20,000	0	0				0	37	
119	Sam Houston State Normal School.....									
VERMONT.		2,940	0	0	500			0		
120	State Normal School, Castleton*.....	2,856	300	0	350	0	0	0	12	1
121	State Normal School, Johnson.....	2,568	0	600	132	0	0	0	12	2
122	State Normal School, Randolph.....									
VIRGINIA.		20,503	0	0	2,300	10,500	0	0	30	1
123	State Female Normal School.....	10,000	0	8,000	78,000	24,000	182,000	0	0	1
124	Hampton Normal and Agricultural Institute.....	15,000	0	0	7,509	0	0	0	10	1
125	Virginia Normal and Collegiate Institute.....	10,000	0	2,000	350	2,000	0	0	25	3
126	College of William and Mary.....									
WEST VIRGINIA.		2,500	0	0	625	0	0	0	24	3
127	Fairmount State Normal School.....	2,200	0	0	186	0	0	0	24	3
128	State Normal School, Glenview.....	630	0	600	4,100	475				
129	Storer College.....	3,750								
130	Marshall College State Normal School.....	2,500	0	0				20-24	24	
131	Shepherd College State Normal School*.....	2,492	0	0	103	700	0	0	24	1
132	State Normal School, West Liberty.....									
WISCONSIN.		12,000	0		1,794	368		0	0	1
133	Normal (Fourth Year High School) Class, Madison.....	20,695	0		4,110	7,500		0	0	2
134	State Normal School, Milwaukee.....		0					0	0	2
135	State Normal School, Oshkosh.....		0					0	20	2.5
136	State Normal School, Platteville.....	10,000						0	16	4.5
137	State Normal School, River Falls*.....	21,126	0		2,417	1,852		0	20	
138	State Normal School, Whitewater.....								40	

\* For 1887-'88.

*a* The peculiarity of the Pennsylvania schools in the matter of tuition is explained on p. 404 of this Bureau's Report for 1887-'88.  
*b* \$20,000 of this from United States Government.





25	Daleville, Miss.....	1865	Tom. F. McBeath.....	5	3	13	15	122	0	40	50	72	1	6
26	Jackson, Miss.....	1886	C. Ayer.....	4	4	(131)	23	70	0	5	43	68	0	0
27	Walshall, Miss.....	1887	D. Harmon.....	2	2	18	9	48	39	4	64	45	0	0
28	Pleasant Hope, Mo.....	1888	J. B. Fly.....	1	3	13	9	48	0	0	70	100	7	32
29	Fremont, Nebr.....	1884	W. H. Clemmons.....	5	4	80	100	0	0	13	41	52	7	0
30	Frederick, City, Nebr.....	1884	J. H. Mitchell.....	5	2	8	12	75	0	0	13	41	7	0
31	New York, N. Y.....	1887	Nicholas Murray Butler.....	9	24	d13	e198		36	0	(443)	13	9	56
32	Asheborough, N. C.....	1885	W. Elmer Meade.....	1	1	37	33				37	38		
33	Raleigh, N. C.....	1868	Robert B. Sutton.....	6	3	25	30							
34	Defiance, Ohio.....	1886	James A. Boyce.....	2	7	50	23	66	20	25	98	66	1	16
35	Fremont, City, Ohio.....	1886	B. L. Barr.....	5	1	8	0	12	0	10	20	0		2
36	Wadsworth, Ohio.....	1865	J. B. Eberly.....	5	4	20	30	133	0	70	f108	ed80	7	1
37	Woodville, Ohio.....	1882	Rev. W. Steinhmann.....	4	0	28	0				28	0		2
38	Muney, Pa.....	1870	William R. Peoples.....	6	0	98	97						23	
39	Aiken, S. C.....	1868	Martha Scofield.....	3	5	10	12	35	0	0	25	32	12	0
40	Charleston, S. C.....	1865	Morrison A. Holmes.....	1	5	4	7	56	0	0	22	45	11	
41	Greenwood, S. C.....	1871	J. E. B. Jewett.....	1	2	17	10							
42	Memphis, Tenn.....	1871	Le Moyne Normal Institute*.....	2	10	106	131						10	64
43	Austin, Texas.....	1881	Tillotson Collegiate and Normal Institute.....	3	10	10	4	18	0	0	23	9	6	
44	Lyndon, Wash.....	1886	J. R. Bradley.....	2	1	4	12	30	0	9	16	36		14
45	Buckhamton, W. Va.....	1882	Rev. W. O. Fries.....	4	4	12	10	82	0	49	69	45	6	
46	Milwaukee, Wis.....	1878	Emil Dapprich.....	4	2	14	15	0	0	0	14	15	47	11
47	St. Francis, Wis.....	1871	Charles Fessler.....	6	0	45	0				89	0		

\* For 1887-88.

a The majority of the students (in all 141) take the normal course.

b The president, unable to make the distinction necessary to fill our form of inquiry, returns the whole number of pupils in his school, 714 male, 322 female students. These figures are for 1887-88. The principal, in making the return of pupils in attendance for 1887-88, makes no classification, merely giving the number as 72 male and 88 female students.

c Not recorded. The whole number of male students in the school is 112 of female students, 63.

d Among these were 6 graduates of colleges and 12 graduates of normal schools.

e This may include respectively 40 male and 30 female students in the commercial course.

TABLE 8.—Financial statistics of private normal schools for 1888-89.

	Name of institution. (For location see table preceding.)	Revenue from—			Expend- ed during year for building and re- pairs.	Amount of in- vested funds.	Annual tuition—			Weeks in school year.	Years in course.
		Interest on in- vested funds.	Dona- tions for current expenses.	Other sources.			Science and art teaching.	Aca- demic de- partment.	Other depart- ments.		
	2	17	18	19	20	21	22	23	24	25	26
ALABAMA.											
1	Central Alabama Academy .....	0	0			0	0	0	0	36	3
2	Emerson Institute.....	0	\$2,000	\$1,445	0	0	\$9.60	\$9.60	\$8	35	4
ARKANSAS.											
3	Southland College and Normal Institute.....	\$1,800	300	3,362	\$6,000	0	9	11.25	0	36	3
CALIFORNIA.											
4	Stockton Business College and Normal Institute *	0	0				50-75				
GEORGIA.											
5	The Paine Institute.....	1,750	0	1,058	0	\$25,000	8	8	8	32	4
6	Howard Normal School *.....						9	9	9		
ILLINOIS.											
7	Northern Illinois Normal School *										
8	Northwestern Normal .....						48	40	0	40	
9	Macomb Normal and Commercial College *.....						30	30	30		
10	Wells School for Teachers and School of Individual Instruction ..	0	0	1,500	0	0	52	52	104	51	
INDIANA.											
11	Tri-State Normal School .....	0	0		2,000	0	38	38	38	48	1
12	Central Normal College.....	0	0			0	32	32	32	48	
13	Southern Indiana Normal College.....	0	400	10,825	505	0	38	38		47	1
14	Central Indiana Normal School .....	0	0				32	32		48	1
IOWA.											
15	Northern Iowa Normal School .....	0	1,500	2,000	0	0	25	25	40	38	3
16	Normal and Scientific Institute .....	0	0	1,800	80	0	32	32	32	40	1
17	Dexter Normal College.....	0			0	0	49	49	49	48	3
18	Ottumwa Normal School.....	0	0	480	0	0	3	3	3	36	1
19	Western Normal College.....	0	0	25,000	17,060	0	40	40	40	48	



20	KANSAS.	Kansas Normal College						40	40	40	40	2
21	KENTUCKY.	Southern Normal School	0	0	6,300	1,200	0	45	45	45	45	1
22		National Institute	0	0	2,200	50	0	36	36	36	42	1
23	LOUISIANA.	Southern Academic Institute						270	270	270	40	1
24	MICHIGAN.	Sherwood Normal	0	0		150	0	32			32	
25	MISSISSIPPI.	Cooper Normal College and Industrial Institute	0	0	4,000	2,500	0	40	40	40	40	2
26		Jackson College*						8	8	8		
27		Walshall Normal School	0	592	1,200	150	0	30	30	30	40	1
28	MISSOURI.	Pleasant Hope Normal Academy	0	0	1,000	0	0				40	
29	NEBRASKA.	Fremont Normal	0	0	5,677	670	0	50	50	50	50	2
30		McPherson Normal College	0	0	4,700	700	0	25	25	30	36	2
31	NEW YORK.	New York College for the Training of Teachers	300	35,000	4,000	7,500	85,000	410			36	2
32	NORTH CAROLINA.	Asheborough Normal School										
33		St. Augustine Normal School and Collegiate Institute		525	95				9	9		
34	OHIO.	Defiance Normal										
35		Western Normal University	0	0	4,000	1,900		40	40	30	46	2
36		Western Reserve Normal College				250	0	26	26	40	50	2
37		Teachers' Seminary, Woodville		0				0	0	25	38	3
38	PENNSYLVANIA.	Lycoming County Normal School*										

\* Gift of the town of Shenandoah, the principal to furnish an equal amount.

\* For 1887-88.

TABLE 8.—*Financial statistics of private normal schools for 1888-89—Continued.*

	Name of institution. (For location see table preceding.)	Revenue from—			Expend- ed during year for building and re- pairs.	Amount of in- vested funds.	Annual tuition.			Weeks in school year.	Years in course.
		Interest on in- vested funds.	Dona- tions for current expenses.	Other sources.			Science and art teaching.	Acad- emic de- partment.	Other depart- ments.		
	2	17	18	19	20	21	22	23	24	25	26
	SOUTH CAROLINA.										
39	The Scofield Normal and Industrial School.....	311	3,645	475	414	7,515	5	5	.....	40	.....
40	Avery Normal Institute.....	0	0	4,350	150	0	11.25	11.25	0	36	2
41	The Brewer Normal School *.....	.....	.....	.....	.....	.....	6	6	6	.....	.....
	TENNESSEE.										
42	Le Moyne Normal Institute *.....	60	.....	.....	.....	10,000	14	14	10	.....	.....
	TEXAS.										
43	Tillotson Collegiate and Normal Institute.....	1,809	5,696	250	350	0	20	20	8	35	2, 4
	WASHINGTON.										
44	Northwest Normal School.....	0	938	1,216	417	0	32	32	32	40	1.5
	WEST VIRGINIA.										
45	West Virginia Normal and Classical Academy.....	0	60	1,400	40	0	27	27	27	38	3
	WISCONSIN.										
46	National German-American Teachers' Seminary.....	0	3,859	5,564	0	70,000	0	0	0	40	3
47	Catholic Normal School of the Holy Family *.....	.....	.....	.....	.....	.....	40	40	40	.....	.....

\* For 1887-'88.

# CHAPTER XXVII.

## SECONDARY INSTRUCTION.

TABLE 1.—*Summarized statement of students in private secondary schools preparing for colleges and scientific schools.*

	Number of schools.	Students.						
		Total number.	Number preparing for colleges and scientific schools.	Number preparing for classical course in colleges.	Number preparing for scientific course in colleges or scientific schools.	Percentage of students preparing for colleges and scientific schools to total number of students.	Percentage of students preparing for colleges and scientific schools preparing for—	
							Classical course in colleges.	Scientific course in colleges or scientific schools.
Schools for—								
Boys.....	297	26,409	8,461	5,620	2,841	32.04	66.42	33.58
Girls.....	290	26,497	2,203	1,329	874	8.31	60.33	39.67
Both sexes.....	737	93,655	12,329	7,419	4,910	13.17	60.18	39.82
Total.....	1,324	146,561	22,993	14,368	8,625	15.68	62.49	37.51



TABLE 2.—SUMMARY OF STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS.

## DIVISION A.—Private schools for boys.

States and Territories.	Number of schools.	Instructors.			Students.						Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Benefactions.
		Male.	Female.	Total.	Total.	Preparing for college course.	Preparing for scientific course or for scientific school.	Total preparing for college and for scientific school.	Total who have entered college or scientific school since close of academic year.	Volumes in libraries					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NORTH ATLANTIC DIVISION.															
Maine.....	3	12	4	16	95	33	22	55	4	3,000	\$6,000	\$50,000			
New Hampshire.....	2	35	2	35	637	462	175	637	78	7,500	1,600	438,186	\$486,687	\$25,000	\$20,000
Vermont.....	1	5	2	7	59	8	3	13		400	1,200	40,000			
Massachusetts.....	18	80	29	109	1,377	513	168	681	148	71,525	12,420	862,500	721,000	34,700	60,400
Rhode Island.....	3	23	4	29	446	116	37	153		1,600	6,000	136,000		0	0
Connecticut.....	15	49	13	62	705	129	88	217	35	4,250	1,000	223,000		0	0
New York.....	56	368	48	416	4,465	1,438	469	1,907	211	52,941	24,436	3,159,500	213,000	9,100	793
New Jersey.....	17	93	11	104	1,307	354	199	553	125	10,700	6,800	1,112,000	51,600	2,000	5,000
Pennsylvania.....	25	161	78	239	3,515	294	330	624	130	39,110	22,600	4,030,238	11,177,955	947,515	0
SOUTH ATLANTIC DIVISION.															
Maryland.....	19	76	4	80	1,119	288	152	440	92	18,500	2,175	548,000	800,600	43,000	0
District of Columbia.....	4	18		18	347	25	18	43		200	1,850	70,000	60,000	3,500	0
Virginia.....	17	62	3	65	995	328	73	401	143	15,050	2,890	274,900	27,000	2,500	0
West Virginia.....	1	2		2	46	20		20							
North Carolina.....	15	40		40	948	170	117	287	55	7,700	1,425	78,100	0	0	0
South Carolina.....	6	17		17	423	127	26	153	27	3,300	1,600	18,500	0	0	0
Georgia.....	10	21	7	28	763	80	85	165	27	3,290	700	114,500	50,000	5,000	13,800
SOUTH CENTRAL DIVISION.															
Kentucky.....	7	20	4	24	367	97	56	153	75	4,850	2,350	163,500	0	0	0
Tennessee.....	18	18	5	23	626	274	26	300	42	1,700	1,100	48,000	50,000	3,000	0
Alabama.....	4	25	2	27	552	91	53	146	53	1,700	2,150	143,000	0	0	0

Mississippi.....	2	5	8	5	81	20	9	29	2,550	110	30,600	45,000	4,100	-----
Louisiana.....	5	36	8	44	583	130	54	184	890	1,000	81,000	0	0	0
Texas.....	4	27	2	29	664	45	63	108	1,800	1,325	95,000	0	0	1,000
Indian Territory.....	2	8	2	10	331	5	-----	5	637	100	120,000	0	0	0
NORTH CENTRAL DIVISION.														
Ohio.....	7	43	9	52	578	91	22	113	3,800	2,400	60,000	0	0	1,125
Indiana.....	1	3	3	6	40	-----	-----	-----	-----	-----	8,000	0	0	0
Illinois.....	7	44	16	60	599	154	57	211	3,910	4,300	140,000	0	0	0
Michigan.....	1	10	-----	10	184	13	33	46	7	-----	150,000	0	-----	-----
Wisconsin.....	7	49	2	51	742	87	15	102	13,200	4,100	337,000	830	0	19,018
Minnesota.....	3	25	2	27	450	13	65	78	2,200	3,300	344,000	15,000	1,050	50,000
Iowa.....	1	6	-----	6	73	-----	-----	-----	-----	-----	-----	-----	-----	-----
Missouri.....	7	48	11	59	978	139	173	312	2,200	2,800	179,000	0	0	2,500
WESTERN DIVISION.														
Colorado.....	2	18	-----	18	197	39	7	46	1,750	1,200	225,000	0	0	0
New Mexico.....	2	13	-----	13	218	4	-----	4	17	150	42,500	-----	-----	-----
Washington.....	3	16	-----	16	282	5	5	10	2,000	200	118,000	55,000	4,000	70
Oregon.....	2	16	4	20	341	10	8	18	1,000	290	170,000	10,000	0	0
California.....	10	76	20	96	1,277	118	129	247	4,900	6,650	259,000	30,000	11,000	0
North Atlantic Division.....	140	828	189	1,017	12,007	3,347	1,493	4,840	191,026	81,156	10,005,424	12,712,652	1,018,315	95,193
South Atlantic Division.....	72	236	14	250	4,641	1,038	471	1,509	45,010	9,540	1,104,000	937,600	54,000	13,800
South Central Division.....	32	139	23	163	3,204	662	263	925	14,697	8,135	663,100	95,000	7,100	1,000
North Central Division.....	34	222	43	271	3,642	497	365	862	25,310	17,500	1,218,000	15,830	1,050	73,543
Western Division.....	19	139	24	163	2,315	176	149	325	9,667	8,400	814,500	93,000	15,000	70
United States.....	297	1,564	293	1,863	26,409	5,620	2,841	8,461	285,740	124,731	13,885,024	13,862,082	1,095,465	183,606

TABLE 3.—SUMMARY OF STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS.  
DIVISION B.—*Private schools for girls.*

States and Territories.	Number of schools.	Instructors.			Students.						Volumes in libraries.	Value of scientific apparatus.	Value of grounds and build- ings.	Amount of productive funds.	Income from productive funds.	Benefactions.	
		Male.	Female.	Total.	Preparing for college classical course.	Preparing for scientific course or scientific school.	Total preparing for col- lege and for scientific school.	Total who have entered college or scientific school since close of academic year.									
NORTH ATLANTIC DIVISION.																	
Maine.....	1		4	4	22					400			\$20,000				
New Hampshire.....	2	3	11	14	81	6				5,500			250,000		\$1,000	\$1,200	
Vermont.....	2	2	10	12	63					21,665			588,000		6,537	34,054	
Massachusetts.....	28	26	213	239	1,445	222	67	289	43	1,400			22,710		200		
Rhode Island.....	2	3	26	29	94					3,900			200		800	700	
Connecticut.....	9	12	50	74	514	6		6	2	3,900			227,000		17,000	1,500	
New York.....	48	83	388	478	4,092	168	258	416	154	44,184			1,138,800		34,000	1,500	
New Jersey.....	14	24	91	126	859	39	38	77	6	9,825			191,000		0	0	
Pennsylvania.....	25	39	204	243	1,750	119	38	157	34	16,413			2,930		500	0	
SOUTH ATLANTIC DIVISION.																	
Maryland.....	10	21	74	105	779					7,650			85,000		200	5,000	
District of Columbia.....	5	11	44	55	505	3		3		4,000			130,000			0	
Virginia.....	14	16	68	84	808	37	7	44	3	5,393			99,000		0	2,639	
West Virginia.....	2	1	16	17	170					500							
North Carolina.....	4	5	30	35	473	49		49		1,800			53,000		120	9,500	
South Carolina.....	2	3	10	13	167					200			25,000			0	
Georgia.....	10	9	72	81	1,371	91		91	18	3,800			160,000		2,450	7,000	
Florida.....	1				23		4	4	5	200			4,000			0	
SOUTH CENTRAL DIVISION.																	
Kentucky.....	7	2	52	54	567	6	1	7		8,450			101,000		550	4,000	
Tennessee.....	5	8	37	45	640	50	80	130	80	1,100			112,000		72	0	
Alabama.....	3	4	17	21	345				60	1,750			22,000		0	0	



Mississippi.....	5	1	20	21	560	6	-----	6	5	1,000	175	37,000	0	-----	2,230
Louisiana.....	4	6	25	31	355	37	-----	37	5	3,350	-----	18,000	0	-----	900
Texas.....	8	10	58	68	1,973	73	18	91	40	3,300	850	69,000	0	-----	0
Arkansas.....	1	2	7	9	130	-----	5	-----	-----	7,798	-----	15,000	0	-----	0
Indian Territory.....	3	1	10	18	367	-----	-----	5	-----	1,100	-----	30,000	0	-----	-----
NORTH CENTRAL DIVISION.															
Ohio.....	12	16	107	123	1,250	43	44	87	7	20,200	4,825	338,060	-----	-----	0
Indiana.....	7	6	127	133	1,346	19	-----	19	5	5,520	1,275	115,000	-----	-----	300
Illinois.....	12	14	150	164	1,764	133	93	226	47	13,605	3,962	739,360	4,000	200	50,180
Michigan.....	3	7	19	26	264	-----	-----	-----	-----	871	1,200	57,000	-----	-----	-----
Wisconsin.....	5	5	52	57	732	-----	15	15	-----	2,550	-----	90,000	-----	-----	0
Minnesota.....	3	2	22	24	231	-----	-----	-----	-----	1,500	1,700	51,700	0	-----	0
Iowa.....	1	-----	1	1	19	-----	-----	-----	-----	-----	-----	-----	-----	-----	0
Missouri.....	8	11	75	105	682	14	77	14	5	8,000	915	775,000	0	0	0
Nebraska.....	3	3	41	43	317	5	-----	82	2	5,000	700	94,700	0	-----	10,000
WESTERN DIVISION.															
Colorado.....	1	3	13	16	165	-----	-----	-----	-----	2,000	1,000	200,000	-----	20,000	1,000
Utah.....	2	-----	31	31	439	-----	100	100	-----	3,000	300	12,000	0	-----	0
Nevada.....	1	1	8	9	70	-----	-----	-----	50	800	-----	20,000	-----	-----	-----
Washington.....	3	4	28	32	513	74	-----	74	24	2,600	525	165,000	50,000	3,000	-----
Oregon.....	1	-----	5	5	120	-----	5	5	3	500	150	4,000	-----	-----	50
California.....	13	26	132	158	1,362	49	21	73	21	9,315	2,100	205,000	0	0	60
North Atlantic Division.....	131	162	997	1,219	8,920	550	401	951	239	103,287	38,363	2,785,800	212,000	10,337	36,754
South Atlantic Division.....	48	66	314	390	4,296	180	11	191	26	24,145	8,215	555,000	6,000	320	24,193
South Central Division.....	36	34	226	267	4,037	172	104	276	190	17,848	1,825	404,000	8,200	622	7,130
North Central Division.....	54	64	594	676	6,605	214	229	443	66	63,246	14,577	2,260,700	4,000	200	66,489
Western Division.....	21	34	217	251	2,639	213	129	342	98	18,215	4,375	626,000	50,000	23,000	1,110
United States.....	290	390	2,348	2,803	26,497	1,329	874	2,203	619	236,741	67,355	6,631,500	280,200	34,479	135,673

TABLE 4.—SUMMARY OF STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS.  
DIVISION C.—Private schools for both sexes.

States or Territories.	Number of schools.		Instructors.		Students.										Value of scientific apparatus.					Value of grounds and build- ings.		Amount of product ive funds.		Income from productive funds.		Benefactions.			
					Preparing for college classical course.				Preparing for scientific course or scien- tific school.				Total preparing for col- lege and scientific school.															Total who have entered college since close of academic year.	
					Male.		Female.		Male.		Female.																		
					3	4	5	6	7	8	9	10																	
NORTH ATLANTIC DIVISION.																													
Maine.....	19	37	49	86	1,140	1,039	2,448	234	72	80	47	433	69	9,786	\$4,550	\$221,600	\$205,400	\$10,953	\$1,317										
New Hampshire.....	23	38	44	82	1,743	1,741	1,512	105	54	45	3	207	21	14,800	6,355	404,500	1,339,200	48,768	2,664										
Vermont.....	19	46	66	112	1,336	1,162	2,709	243	109	113	82	547	68	11,123	9,175	506,784	419,800	22,843	6,679										
Massachusetts.....	38	87	126	213	1,816	1,705	3,521	319	178	179	30	706	95	29,185	32,412	1,667,365	1,000,230	57,104	15,234										
Rhode Island.....	3	14	17	31	164	197	433	23	11	6	.....	40	14	8,685	500	500,000	225,000	11,500	0										
Connecticut.....	15	32	41	73	548	586	1,134	58	41	12	20	131	27	11,290	3,830	148,000	266,000	12,800	34,800										
New York.....	76	217	318	535	5,351	5,089	11,326	465	211	326	281	1,283	142	72,066	51,165	2,114,968	570,930	26,403	210,679										
New Jersey.....	22	75	99	174	1,503	1,102	2,875	210	44	117	29	400	80	15,150	10,460	789,200	239,000	11,046	49,175										
Pennsylvania.....	47	145	164	309	3,345	2,864	6,479	361	178	226	154	519	156	41,066	17,324	1,653,000	811,694	43,757	81,075										
SOUTH ATLANTIC DIVISION.																													
Delaware.....	4	11	16	27	284	225	509	34	8	6	.....	48	15	3,300	1,400	129,000	7,000	350	0										
Maryland.....	7	13	28	41	290	276	566	12	2	2	.....	16	17	2,650	2,815	65,000	18,000	700	0										
District of Columbia.....	2	4	15	19	138	162	300	10	2	2	.....	14	0	1,200	254	60,000	0	0	0										
Virginia.....	6	15	17	32	445	436	881	25	12	22	5	64	13	2,250	750	47,100	0	0	250										
West Virginia.....	1	.....	4	4	38	54	92	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....										
North Carolina.....	48	89	73	167	2,531	2,086	4,617	262	174	119	76	631	103	9,015	3,805	180,300	32,000	2,532	2,250										
South Carolina.....	8	18	34	52	864	833	1,697	30	17	53	40	140	12	2,318	675	77,500	33,000	0	600										
Georgia.....	66	87	101	188	3,453	3,333	6,796	334	314	175	100	923	117	2,170	2,675	235,300	13,000	4,650	1,565										
Florida.....	5	11	23	34	337	568	905	16	20	.....	.....	36	0	3,550	500	141,000	121,150	8,148	400										
SOUTH CENTRAL DIVISION.																													
Kentucky.....	19	32	62	94	912	854	2,031	73	113	70	48	304	51	5,845	2,660	140,300	8,000	415	2,124										
Tennessee.....	33	61	71	132	2,211	1,757	4,207	246	122	234	139	801	172	7,158	1,565	271,625	.....	.....	400										

Alabama.....	20	35	63	98	1,328	1,335	2,979	127	118	73	47	365	174	6,123	1,285	156,900	31,704	2,200	5,811
Mississippi.....	15	31	39	70	978	992	1,970	121	89	129	137	476	189	9,776	1,200	101,800	0	0	200
Louisiana.....	8	22	51	73	396	510	1,006	40	8	24	30	102	12	1,395	115	101,800	0	0	10,000
Texas.....	17	41	50	91	1,230	2,860	118	86	140	36	76	420	51	2,640	2,500	191,000	10,000	500	1,522
Arkansas.....	12	24	31	55	926	1,834	1,855	49	36	45	33	164	16	4,435	775	104,300	0	0	3,332
Indian Territory.....	3	5	17	22	186	232	418	2	2				0	900	20	65,000	0	0	1,387
NORTH CENTRAL DIVISION																			
Ohio.....	20	44	61	105	1,123	1,164	2,297	180	49	35	70	334	63	11,165	2,315	413,600	52,400	3,606	1,500
Indiana.....	8	18	23	41	582	496	1,452	31	14	18	1	64	14	7,701	1,370	60,000	63,200	4,800	0
Illinois.....	21	58	66	124	1,449	1,518	3,209	61	47	111	89	308	26	34,500	5,417	367,650	63,000	3,534	6,225
Michigan.....	5	6	26	32	411	575	986	9	3	15	18	45	7	1,925	3,300	65,000	20,000	3,400	0
Wisconsin.....	7	19	28	47	561	402	963	61	28	29	17	135	10	5,100	2,400	158,500	60,500	3,980	17,570
Minnesota.....	8	35	29	64	1,046	606	1,652	64	29	40	26	159	34	8,725	850	243,000	65,000	3,300	42,000
Iowa.....	23	49	42	91	1,557	1,426	3,254	45	81	63	41	330	65	11,150	3,010	282,500	35,500	5,230	21,250
Missouri.....	40	91	87	178	2,122	2,030	4,587	359	275	290	196	1,120	342	19,070	3,705	286,400	24,200	2,220	620
Dakota.....	9	23	33	56	383	456	897	97	18	23			12	3,555	1,100	193,000	28,000	1,770	9,050
Nebraska.....	6	15	17	32	355	384	739	48	44	21	22	135	42	3,950	800	117,300	3,000	300	4,340
Kansas.....	6	17	17	34	335	408	743	65	47	29	69	210	0	1,940	525	158,500	33,540	3,220	4,480
WESTERN DIVISION																			
Colorado.....	3	5	7	12	106	108	214	5	7	7	2	21	1	465	600	56,000	0	0	5,475
New Mexico.....	0	8	26	34	394	432	836	8	7	5	5	25	10	1,400	290	66,000	0	0	1,400
Utah.....	12	23	35	58	1,271	1,069	2,905	22	4	3		17	8	3,863	2,000	232,300	0	0	18,008
Washington.....	10	21	11	32	337	377	774	10	5	1		28	0	2,574	495	63,000	21,000	1,100	2,340
Oregon.....	6	6	16	22	264	293	557	16	13	4	8	41	8	850	885	49,000	9,800	700	30
California.....	11	24	45	69	466	1,057	1,523	15	14	6	10	45	7	5,850	1,470	149,000			986
North Atlantic division.....	262	691	924	1,615	15,946	14,485	32,437	2,018	898	1,104	646	4,666	672	213,301	135,774	8,005,417	5,167,244	244,674	401,614
South Atlantic division.....	147	248	311	564	8,380	7,973	16,363	723	549	379	221	1,872	282	26,453	12,874	938,200	224,150	16,380	5,065
South Central division.....	127	251	384	635	8,160	7,694	17,326	776	574	716	570	2,636	665	38,272	10,120	1,114,525	49,704	3,115	24,776
North Central division.....	153	375	429	804	9,934	9,465	20,730	1,120	635	674	549	2,978	615	108,781	24,792	2,348,450	450,340	33,380	107,104
Western division.....	48	87	140	227	2,898	3,336	6,769	76	50	23	25	177	34	15,002	5,740	621,500	30,500	1,860	28,259
United States.....	737	1,652	2,188	3,845	45,318	42,923	93,655	4,713	2,706	2,899	2,011	12,329	2,268	401,809	189,300	13,024,892	5,921,938	301,409	506,818



TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89.

DIVISION A.—*Private schools for boys.*—PART I.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Physical culture.	
						Male.	Female.	Total.	Total.	Total preparing for college course in college or for scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13
ALABAMA.												
1	Anniston .....	High School for Boys.....	1886	1887	P. E. ....	3	.....	3	52	12	No.	No.
2	Athens .....	Athens Male Academy.....	1878	1879	Non-sect..	1	1	2	62	1	No.	No.
3	Demopolis .....	Marengo Military Institute.....	1888	1888	Non-sect..	3	1	4	61	1	No.	Yes.
4	Livingston .....	Livingston Male Academy.....	1883	1880	.....	3	.....	3	69	24	No.	Yes.
5	Marion .....	Marion Military Institute.....	1889	1887	.....	5	.....	5	123	.....	No.	Yes.
6	Mobile .....	Towles Institute for Boys.....	1889	1869	Non-sect..	3	.....	3	51	28	No.	Yes.
7	Tuscaloosa .....	University High School.....	1888	1886	.....	3	.....	3	80	50	No.	Yes.
8	Tuskegee .....	Alabama High School.....	1887	1857	Non-sect..	4	.....	4	54	30	No.	Yes.
CALIFORNIA.												
9	Belmont .....	Belmont School .....	.....	1885	Non-sect..	6	3	9	84	25	Yes.	Yes.
10	Berkeley .....	Bowens Academy .....	.....	1884	Non-sect..	3	3	6	27	13	No.	No.
11	Los Angeles .....	McPherron Academy.....	.....	1887	Presb.....	2	2	4	125	25	Yes.	Yes.
12	Napa City .....	Oak Mound School.....	.....	1872	Non-sect..	2	2	4	100	11	No.	No.
13	Oakland .....	Hopkins Academy .....	.....	.....	Cong.....	3	3	8	49	4	Yes.	No.
14	do .....	Sackett School .....	1871	1879	Non-sect..	11	1	12	41	.....	.....	.....
15	San Francisco .....	Sacred Heart College.....	1879	1874	R. C.....	18	.....	18	500	145	No.	No.



TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys.—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.		Students.		Physical culture.		
						Male.	Female.	Total.	Total.	Total preparing for college classical course or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13
GEORGIA—continued.												
48 Sharon.....	Sacred Heart Seminary .....	Sisters of St. Joseph .....	.....	1878	R. C .....	.....	2	2	22	.....	No..	No.
49 Washington .....	Male Academy .....	G. M. Kendrick .....	.....	.....	Non-sect..	1	1	2	69	4	No..	No.
ILLINOIS.												
50 Addison .....	German Evangelical Lutheran School .....	T. John Grosse .....	.....	1849	Ev. Luth..	3	.....	3	184	.....	.....	Yes.
52 Chicago (623 W. Adams st.).....	German-American Academy .....	Robert Haentze .....	1882	1876	.....	5	2	7	55	10	Yes.	Yes.
51 Chicago (2251-2253 Calumet ave.).....	Allen Academy .....	Ira A. Allen .....	.....	1863	Non-sect..	9	3	12	83	55	Yes.	Yes.
53 Chicago (2101 Indiana ave.).....	The Harvard School .....	J. J. Schobinger, John C. Grant .....	.....	.....	Non-sect..	8	5	13	130	70	No.	Yes.
54 Chicago (223 Dearborn ave.).....	University School .....	E. C. Coulter, head-master .....	.....	1878	.....	8	2	10	68	60	No..	.....
55 Highland Park .....	Northwestern Military Academy .....	H. P. Davidson .....	.....	1888	Non-sect..	6	1	7	48	13	Yes.	Yes.
56 Morgan Park .....	Morgan Park Military Academy .....	Capt. Ed. W. Kirk Talcott .....	.....	1873	Non-sect..	5	3	8	31	3	No..	Yes.





TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION A.—*Private schools for boys.*—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Physical culture.	
						Male.	Female.	Total.	Total.	Total preparing for college classical course or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13
MARYLAND—continued.												
79	Baltimore (870 Linden ave.).	School for Boys .....	.....	.....	Non-sect..	4	.....	4	44	.....	Yes.	No.
80	Baltimore (710-712 Madison ave.).	University School for Boys.....	.....	1864	Non-sect..	6	.....	6	120	90	No..	No.
81	Baltimore (703 Madison ave.).	Wright's University School *.....	.....	1880	Non-sect..	4	.....	4	35	28	.....	.....
82	Carroll .....	Mt. St. Joseph's College.....	1876	1877	R. C .....	12	.....	12	99	32	Yes.	Yes.
83	Catonville .....	Overlea, Home School for Young Men .....	.....	1861	Evang .....	2	.....	2	12	.....	No..	No.
84	Catonville .....	Centerville Academy and High School .....	1793	1800	Non-sect..	2	.....	2	61	16	No..	No.
85	Charlotte Hall .....	Rev. A. G. Harley, st.....	1774	1774	Non-sect..	4	.....	4	86	70	Yes.	Yes.
86	College of St. James .....	R. W. Silvester .....	1844	1842	P. E .....	4	.....	4	25	20	Yes.	No.
87	Colora .....	Henry Onderdonk, A. M .....	1812	1741	Non-sect..	2	.....	2	40	5	No..	No.
88	Ellicott City .....	John G. Conner, A. B .....	.....	1882	Non-sect..	2	.....	2	21	11	Yes.	No.
89	Frederick .....	Chapman Maupin, M. A .....	1829	.....	Non-sect..	3	.....	3	79	.....	.....	.....
90	Frederick .....	Thomas A. Gatch, A. M .....	1842	1842	R. C .....	2	.....	2	60	40	Yes.	Yes.
91	McDonogh .....	Rev. M. A. O'Kane .....	1842	1873	.....	6	.....	6	106	4	No..	No.
92	Rockville .....	W. Allan, M. A., LL. D .....	1808	1809	.....	3	.....	3	55	52	Yes.	(a)
93	St. George .....	C. K. Nelson, D. D .....	.....	1876	P. E .....	3	1	4	35	9	Yes.	.....
94	Upper Marlborough ..	James C. Kinear, A. M .....	1835	1836	Non-sect..	2	.....	2	51	.....	.....	.....
		Wm. M. Coleman .....	.....	.....	Non-sect..	2	.....	2	.....	.....	.....	.....





TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Physical culture.	
						Male.	Female.	Total.	Total.	Total preparing for college classical course or for scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13
NEW HAMPSHIRE.												
126 Concord	St. Paul's School	Jos. W. Coit	1855	1856	P. E.	25	.....	25	300	300	Yes.	Yes.
127 Exeter	Phillips Exeter Academy	Prof. A. J. Tufts, secretary	1781	1783	Non-sect.	10	.....	10	337	337	Yes.	No.
NEW JERSEY.												
128 Bloomfield	Academic Department of the German Theological School of Newark, N. J.	Rev. Charles E. Knox, D. D.	.....	1809	Presb.	4	.....	4	22	.....	Yes	No.
129 Bordentown	Adelphic Institute	Rev. Robert Jullion, A. M.	.....	1866	.....	1	.....	1	12	.....	.....	Yes.
130 do	Bordentown Military Institute	Rev. T. D. Landon, A. M.	.....	.....	Non-sect.	7	.....	7	58	.....	No.	Yes.
131 Bridgeton	West Jersey Academy	Caleb Allen	1852	1854	Presb.	8	1	9	79	12	No.	No.
132 Englewood	English and Classical School	W. W. Smith, A. M.	.....	1880	.....	3	2	5	43	35	No.	No.
133 Hightstown	Phillips School	Henry L. Phillips	.....	1888	P. E.	1	.....	1	10	.....	No.	No.
134 Hoboken	Stevens School	Rev. Edward Wall, A. M.	.....	1870	.....	11	.....	11	203	.....	Yes.	No.
135 Lakewood	Courtland School	Thomas D. Suplee, Ph. D.	.....	1885	P. E.	6	.....	6	30	30	No.	No.
136 Lawrenceville	Lawrenceville School	Rev. Jas. C. Mackenzie, Ph. D.	1882	1882	Presb.	12	.....	12	200	175	Yes.	No.
137 Morristown	Morris Academy	Charles D. Platt, A. M.	1791	1792	Non-sect.	4	2	6	64	.....	No.	No.
138 Mount Holly	Mt. Holly Academy	Henry M. Waldratt	.....	1886	Non-sect.	3	2	5	55	16	Yes.	No.

		S. A. Farrand, A. M., PR. D.	1795	1792	Non-sect.	11	2	13	239	140	Yes.	No.
139	Newark (536-548 High st.).	Nowark Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
140	New Brunswick	Ratgers College Grammar School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	Paterson	The Paterson Classical and Scientific School.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
142	Plainfield	Mr. Leal's School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
143	Princeton	Preparatory School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
144	Summit	Summit Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	NEW MEXICO.											
145	Mora	St. Mary's College	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
146	Santa Fé	St. Michael's College	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	NEW YORK.											
147	Albany (43 Lodge st.).	Christian Brothers' Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
148	Albany	The Albany Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
149	Astoria (157 Franklin st.).	Astoria Latin School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
150	Brooklyn	Brooklyn Latin School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
151	Brooklyn (44 Court st.).	College Grammar School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	Buffalo (129 College st.).	English, Classical, and Mathematical School.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
153	Buffalo	Heathcote School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
154	Canandaigua	Canandaigua Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
155	Clinton	Clinton Grammar School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
156	do	Kirkland Hall	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
157	Cornwall-on-the-Hudson.	Cornwall Heights School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
158	Dobbs Ferry	Westminster School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
159	Flushing	Flushing Institute	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
160	Garden City	St. Paul's Cathedral School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
161	Hamilton	Colgate Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
162	Manlius	St. John's Military School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
163	New Brighton (S. I.).	St. Austin's School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
164	do	Trinity School for Boys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
165	Newburgh (Summary place).	Siglar's Preparatory School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
166	New York (117-119 W. 125th st.).	Barnard School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
167	New York	Berkeley School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
168	New York (131 W. 43d st.).	Callison's School for Boys and Young Men.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
169	New York (423 Madison ave.).	Classical and English School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
170	New York (721 Madison ave.).	The Collegiate School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
171	New York (20 W. 43d st.).	Cutler's Private School for Boys	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

b Calisthenics.

a Renewed in 1855.

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION A.—*Private schools for boys*—PART I—Continued.

Location.	Name.	Principal	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Has the school a gymnasium?	Is military drill employed?
						Male.	Female.	Total.	Total.	Total preparing for college classical course or for scientific school.		
1	2	3	4	5	6	7	8	9	10	11	12	13
NEW YORK—continued.												
172 New York (1479-1485 Broadway).	Dwight School .....	Henry C. Miller...	1880	.....	.....	7	.....	7	74	61	No..	No.
173 New York (20 W. 59th st.).	Gibbens and Beach School for Boys.....	Edwin A. Gibbens .....	.....	1864	.....	6	.....	6	72	60	Yes.	No.
174 New York (34 W. 40th st.).	Halsey's Collegiate School for Boys .....	Wm. D. Halsey, PH. D. ....	.....	1875	.....	10	1	11	96	65	Yes.	Yes.
175 New York (44-50 Second st.).	La Salle Academy .....	Brother Alfred .....	1861	1842	R. C.	6	.....	6	130	25	Yes.	.....
176 New York (6 East 47th st.).	Lyon's Classical School .....	E. D. Lyon, PH. D. ....	.....	1881	Non-sect..	6	.....	6	30	23	No..	No.
177 New York (West 155th st. and Tenth ave.).	MacMullen's Private School for Boys ..	John MacMullen .....	.....	1850	P. E.	1	1	2	19	2	Yes.	Yes.
178 New York (1475 Broadway).	Richards' School for Boys.....	Wm. W. Richards .....	.....	1877	.....	3	.....	3	14	12	No..	No.
179 New York (38 W. 53th st.).	Sachs' Collegiate Institute .....	Dr. Julius Sachs .....	.....	1872	.....	15	2	17	198	37	Yes.	No.
180 New York (15 W. 43d st.).	St. Louis College .....	John P. Brophy.....	.....	1869	R. C.	13	.....	13	75	4	Yes.	Yes.



			M. M. Hobby	1857	Non-sect..	7	1	8	75	16	No..	No.
181	New York (1473 Broadway),	University Grammar School										
182	New York	West End School	Chester Donaldson, A. M.	1887	Non-sect..	4	1	5	31	20	Yes	Yes.
183	New York (32 E. 46th st.)	Woodbridge School	J. Woodbridge Davis	1882		7	1	8	27	14	Yes.	Yes.
184	Peckskill	Mohegan Lake School	Wallace C. Wilcox, A. M.	1880	Non-sect..	6	1	7	49	20	Yes	Yes.
185	do	Peckskill Military Academy	J. N. Tilden	1838		11		11	170	40	Yes	Yes.
186	do	Worral Hall	C. J. Wright	1887		4	1	5	48	20	Yes	Yes.
187	Poughkeepsie	Rivortown Military Academy	Bisbee & Amen	1833	Non-sect..	13		13	168	52	Yes	Yes.
188	do	Dr. Warring's Boarding School	C. B. Warring, A. M., Phil. D.	1863	Non-sect..	5	1	6	33	11	Yes	Yes.
189	Rochester (19 W. Main st.)	Male's Classical and Scientific School	Geo. D. Hale	1871		1		1	17	11	No..	No.
190	Rochester	Wagner Memorial Lutheran College	J. Steinkaus, director	1883	Lutheran	4	1	5	42		No..	No.
191	Roslyn (L. I.)	The Bryant School	Ephraim Hinds, A. M.	1888	Non-sect..	3	3	6	60	8	Yes	Yes.
192	Salem	St. Paul's Hall	Rev. John H. Houghton	1885	P. E.	5	1	6	33	20	Yes	No.
193	Saratoga Springs	Saratoga Institute	Rev. L. B. Yeates	1882		3		3	30		No.	No.
194	Sing Sing	Holbrook's Military School	Rev. D. A. Holbrook, Phil. D.	1865	Non-sect..	6		6	65	13	Yes	Yes.
195	do	Male Pleasant Military School*	J. Howe Allen	1830	Non-sect..	10		10	92	13		
196	do	St. John's School	Rev. J. B. Gibson, D. D.	1869	P. E.	7		7	43		Yes	Yes.
197	Suspension Bridge	De Vaux College	Reginald H. Coe	1837	P. E.	5	1	6	67	10	Yes	Yes.
198	Troli-on-Hudson	Trinity School	Jas. Starr Clark, L. T. D.	1883	P. E.	6		3	60	22	Yes	Yes.
199	Troy	Brother Alexander	Brother Alexander	1853	R. C.	12		12	300	65	No.	Yes.
200	do	St. Mary's Commercial Academy	Carroll Lewis Maxey, Frank C. Barnes	1834	Non-sect..	5		5	64	26	No..	Yes.
201	Westchester	Boys' Boarding School	B. T. Harrington, A. M.	1849	P. E.	4	2	6	29	18	Yes	No.
202	White Plains	Alexander Institute	Oliver R. Willis, Phil. D.	1845	Presb.	6		6	16	4	Yes	Yes.
NORTH CAROLINA.												
203	Asheville	Asheville Military Academy*	S. F. Venable	1878	R. C.	2		2	47	9		
204	Behniet	St. Mary's College	Rev. Julius Pohl, O. S. B.	1886		13		13	30			
205	Bingham School	Bingham School	R. Bingham	1878	R. C.	6		6	100	95	Yes	Yes.
206	Clinton	Clinton Male Academy*	W. W. Brooks	1864	Non-sect..	1		1	65	5	Yes	Yes.
207	Concord	Buckhorn Academy	Julien Henri Poot, Ph. D.	1871	Non-sect..	1		1	48	10	Yes	Yes.
208	do	Concord Male High School*	James P. Cook	1887	Non-sect..	2		2	59	6	No..	No.
209	Jackson	Jackson Male Academy	John W. Fleetwood	1886	Non-sect..	1		1	20	6	No.	No.
210	Mount Airy	Male Academy	R. H. Skeen	1888	Non-sect..	1		1	65	10	Yes	Yes.
211	Oxford	Hornet School	T. J. Drawry	1851	Non-sect..	4		4	78	30	Yes	Yes.
212	Raleigh	Raleigh Male Academy	Hugh Morson	1878	Non-sect..	2		2	101	44	No.	No.
213	Scotland Neck	Vine Hill Male Academy	W. C. Allen	1803	Non-sect..	2		2	44	10	No.	No.
214	Statesville	Male Academy*	J. H. Hill, A. M.	1872	Presb.	1		1	40	10	Yes	No.
215	Washington	A. H. Hamblin's School for Boys	A. H. Hamblin	1888	Non-sect..	1		1	40	15	Yes	No.
216	Winington	Cape Fear Academy	Washington Catlett	1867	Non-sect..	2		2	71	15	No.	No.
217	do	English and Classical School	Rev. Daniel Morrell	1859	P. B.	1		1	20	6	No.	No.
OHIO.												
218	Cincinnati (6 W. 4th st.)	Collegiate School		1877	Non-sect..	1		1	10	4	Yes	No.
219	Cincinnati	Franklin School	Joseph E. White	1882		3		3	54	29		

\* Statistics of 1887-88.

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys.—Part I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Physical culture.	
						Male.	Female.	Total.	Total.	Total.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13
OHIO—continued.												
Cincinnati	Mt. Auburn Classical and English Boys' School.	Rev. J. C. Wyckoff.			Non-sect.	2	3	5	31	13	Yes.	Yes.
do	St. Francis Gymnasium	Rev. Ambrose, O. S. F.		1858	R. C.	8		8	30		No.	No.
Cleveland (Sibley st.)	Brook's Military Academy *	A. H. Thompson	1874	1874	Non-sect.	5	3	8	95	8		
Dayton	St. Mary's Institute	Rev. Joseph Weckesser	1878	1850	R. C.	18		18	260	0	Yes.	No.
Gambier	Kenyon Military Academy	Lawrence Rust, rector		1833	P. E.	6		6	98	59	Yes.	Yes.
OREGON.												
Portland	Bishop Scott Academy.	J. W. Hill, B. A., M. D.			P. E.	12	4	16	156			Yes.
do	St. Michael's College.	Brother Michael		1871	R. C.	4		4	185	18		No.
PENNSYLVANIA.												
Bethlehem	Preparatory School for Lehigh University.*	William Ulrich		1878	Non-sect.		3		45	45		
Bustleton	St. Luke's Boarding School for Boys.	Charles H. Strout		1863	P. E.	5	1	6	50	10	Yes.	No.
Chambersburgh	Chambersburgh Academy	M. R. Alexander, A. M.	1797	1797	Presb.	6		6	67	60	Yes.	No.





TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys—Part I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Physical culture.	
						Male.	Female.	Total.	Total.	Total preparing for college classical course or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13
TENNESSEE.												
261	Bellmeade .....	Wabb's School .....	.....	1886	M. E. So.	5	.....	5	258	163	No.	No.
262	Franklin .....	Battle Ground Academy .....	.....	1889	Non-sect.	3	3	.....	120	95	No.	Yes.
263	Memphis .....	Wharton Stewart Jones .....	.....	.....	.....	4	3	7	111	27	.....	Yes.
264	Nashville .....	S. M. D. Clark, A. M. ....	.....	1867	Non-sect.	6	2	8	137	15	No.	No.
TEXAS.												
265	Bolton .....	Belton Male Academy .....	.....	1887	.....	3	2	5	84	15	No.	No.
266	Borham .....	Parham College .....	.....	1883	.....	4	.....	4	180	72	.....	.....
267	Brownsville .....	Rev. P. P. Parisot .....	.....	1867	R. C.	4	.....	4	50	.....	.....	.....
268	San Antonio .....	John Wolf, subdirector .....	.....	1852	R. C.	16	.....	16	350	21	.....	.....
VERMONT.												
269	Burlington .....	Vermont Episcopal Institute .....	.....	1854	P. E.	5	2	7	59	13	No.	Yes.
VIRGINIA.												
270	Abingdon .....	Abingdon Male Academy .....	.....	1803	Non-sect.	.....	.....	.....	24	.....	.....	.....

271	Alexandria	Episcopal High School	1854	1839	P. E.	5	87	87	No.
272	do	Pennae Academy	1869	1869	.....	2	5	5	Yes.
273	do	St. John's Academy	1833	1833	R. C.	1	2	30	21
274	Arvonia	Seven Islands School	1863	1863	.....	2	10	56	Yes.
275	Bellevue	Bellevue High School	1866	1866	Non-sect.	3	5	10	9
276	Bethel Academy	Classical and Military Academy	1869	1869	.....	5	5	51	Yes.
277	Charlottesville	Pantop's Academy	1877	1877	Non-sect.	6	6	61	Yes.
278	Culpeper C. H.	Virginia Midland Academy	1886	1886	Baptist	3	5	51	Yes.
279	Locust Dale	Locust Dale Academy	1858	1858	Non-sect.	3	3	65	No.
280	Markham	Cleveland High School	1880	1880	Non-sect.	3	3	50	No.
281	Mitchell's Station	Mount Welcome High School	1881	1881	.....	2	2	23	10
282	Norfolk	Norfolk Academy	1804	1804	Non-sect.	2	2	14	14
283	Petersburgh	University School	1865	1865	.....	5	4	118	No.
284	Staunton	Staunton Male Academy	1884	1884	.....	7	5	98	Yes.
285	Suffolk	Suffolk Military Academy	1875	1875	Non-sect.	2	9	101	Yes.
286	Waynesborough	Fishburn School	1879	1879	.....	4	3	76	No.
	WASHINGTON TERRITORY.						4	63	Yes.
287	Fort Colville	Colville Mission Industrial Boarding School	1880	1880	R. C.	4	4	58	No.
288	Tacoma	Washington College	1887	1886	P. E.	6	6	56	Yes.
289	Vancouver	St. James College	1887	1886	R. C.	6	6	168	No.
290	WEST VIRGINIA.								
290	Charlestown	Charlestown Male Academy	1795	.....	.....	2	2	46	No.
291	Franklin	Mission House of the Reformed Church in the United States.	1868	1862	Reformed.	7	7	73	No.
292	Milwaukee	Concordia College	1883	1881	.....	6	6	122	Yes.
293	do	Marquette College	1864	1871	R. C.	14	14	222	No.
294	Milwaukee (471 Van Buren st.)	Milwaukee Academy	1864	1864	Non-sect.	2	2	76	Yes.
295	Mount Calvary	St. Lawrence College	.....	1861	R. C.	12	12	115	No.
296	St. Francis	Catholic Normal School	.....	1871	R. C.	6	6	84	Yes.
297	Watertown	University of Our Lady of the Sacred Heart.	1873	1872	R. C.	.....	.....	50	No.

\* Statistics 1887-88.      a Renewed in 1888.

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89.

DIVISION A.—*Private schools for boys.*—PART II.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
ALABAMA.									
1	High School for Boys .....	-----	\$20-40	\$1,500	\$25,000	-----	-----	0	-----
2	Athens Male Academy .....	0	20-50	-----	5,000	0	0	0	0
3	Marengo Military Institute.	0	40	0	8,000	0	0	0	0
4	Livingston Male Academy.	300	20-50	150	10,000	-----	-----	-----	-----
5	Marion Military Institute.	500	50	200	60,000	0	0	0	0
6	Towle's Institute for Boys.	0	75-90	300	12,000	0	0	0	-----
7	University High School.	500	46	-----	15,000	-----	-----	-----	0
8	Alabama High School.	400	50	-----	10,000	-----	-----	-----	-----
CALIFORNIA.									
9	Belmont School .....	800	600	500	40,000	0	0	0	0
10	Bowens Academy .....	-----	12	-----	8,000	-----	-----	-----	-----
11	McPherron Academy .....	-----	40-80	-----	0	0	0	0	0
12	Oak Mound School.	150	40-60	150	-----	0	0	0	0
13	Hopkins Academy .....	400	70-120	2,500	76,000	\$30,000	\$11,000	-----	-----
14	Sackett School .....	-----	50-80	-----	-----	-----	-----	-----	-----
15	Sacred Heart College .....	2,500	40	-----	75,000	-----	-----	-----	-----
16	Urban School .....	50	125	-----	20,000	-----	-----	-----	-----
17	Laurel Hall College .....	500	a400	3,000	40,000	-----	-----	-----	-----
18	St. Matthew's Hall .....	500	a400-600	500	-----	-----	-----	-----	-----
COLORADO.									
19	College of the Sacred Heart.	1,500	100	1,200	150,000	0	0	0	0
20	St. John's College .....	250	a325	-----	75,000	-----	-----	-----	0
CONNECTICUT.									
21	Black Hall School .....	-----	a500	100	10,000	-----	-----	-----	-----
22	Park Avenue Institute.	1,000	60-100	-----	25,000	-----	-----	-----	-----
23	Curtis School for Boys .....	-----	a500	-----	-----	-----	-----	-----	-----
24	Episcopal Academy of Connecticut.	1,000	37	0	30,000	0	0	0	0
25	Rectory School .....	-----	a325-375	-----	-----	-----	-----	-----	-----
26	Wilson Grammar School.	350	\$80-100	-----	\$15,000	-----	-----	-----	-----
27	Elmwood School for Boys.	500	a500	-----	20,000	0	0	0	0
28	Hopkins Grammar School	100	80	0	-----	-----	-----	-----	-----
29	Bulkeley School.	100	0	-----	40,000	69,000	-----	0	0
30	Upson Seminary .....	500	a450	-----	-----	-----	-----	-----	-----
31	Norwalk Military Institute.	500	80	\$100	25,000	0	0	0	0
32	Bett's Military Academy.	-----	100	-----	25,000	-----	-----	-----	-----
33	School for Boys .....	200	100-150	800	25,000	-----	-----	-----	-----
34	"The Gunnery" .....	-----	a500	-----	-----	-----	-----	-----	-----
35	Wilton Boarding School.	-----	-----	-----	8,000	-----	-----	-----	-----
DISTRICT OF COLUMBIA.									
36	Linthicum Institute .....	-----	0	1,500	35,000	60,000	\$3,500	-----	-----
37	Arlington Academy .....	-----	80-100	-----	-----	-----	-----	-----	-----
38	Columbian College Preparatory School.	200	80	200	30,000	-----	-----	-----	-----
39	Rittenhouse Academy .....	-----	100	150	5,000	-----	-----	-----	-----
GEORGIA.									
40	Atlanta Baptist Seminary	3,000	160	-----	40,000	-----	-----	-----	\$13,800
41	Academy of Richmond County.	0	15	600	50,000	50,000	5,000	\$1,600	-----

a Includes board.



TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION A.—*Private schools for boys*—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
42	Hilliard Institute .....	200	\$12-18	.....	\$4, 000	.....	.....	\$200	.....
43	Male High School .....	.....	30	.....	5, 000	0	0	175	0
44	University High School* .....	.....	54	.....	.....	.....	0	0	0
45	Marietta Male Academy .....	.....	20-40	\$100	2, 500	.....	.....	.....	.....
46	Johnston Institute .....	.....	50	.....	2, 500	0	0	.....	0
47	Savannah Academy* .....	90	a300	.....	8, 000	0	0	0	0
48	Sacred Heart Seminary .....	.....	a120	.....	.....	.....	.....	.....	.....
49	Male Academy .....	0	40-80	0	2, 500	0	0	240	0
ILLINOIS.									
50	German Evangelical Lutheran School .....	.....	.....	.....	.....	.....	.....	.....	.....
51	Allen Academy .....	2, 800	80-250	.....	.....	.....	.....	.....	.....
52	German-American Academy .....	700	40-100	500	20, 000	.....	.....	.....	.....
53	The Harvard School .....	.....	100-250	1, 000	20, 000	0	0	0	0
54	University School .....	.....	180	2, 500	20, 000	.....	.....	.....	.....
55	Northwestern Military Academy .....	160	a400	.....	40, 000	.....	.....	.....	.....
56	Morgan Park Military Academy .....	250	a400	300	40, 000	0	0	0	.....
INDIANA.									
57	Classical School for Boys .....	.....	60-100	.....	8, 000	.....	.....	.....	.....
INDIAN TERRITORY.									
58	Spencer Academy .....	.....	0	.....	.....	.....	.....	.....	.....
59	Cherokee National Male Seminary .....	637	0	100	120, 000	.....	.....	13, 800	.....
IOWA.									
60	St. Joseph's College .....	.....	.....	.....	.....	.....	.....	.....	.....
KENTUCKY.									
61	Cecilian College .....	2, 000	a200	500	50, 000	0	0	0	0
62	Rugby School .....	300	50-100	200	4, 000	0	0	0	0
63	Lancaster Male Seminary* .....	.....	40	.....	1, 500	.....	.....	.....	.....
64	Alleghan Academy .....	300	100	.....	20, 000	.....	.....	.....	.....
65	Louisville Military Academy .....	1, 000	110	.....	75, 000	.....	0	0	0
66	Louisville Rugby School .....	350	85-135	1, 650	10, 000	0	0	0	.....
67	Shelbyville Male Academy .....	900	50	.....	3, 000	.....	.....	.....	.....
LOUISIANA.									
68	Leche's Graded Institute .....	300	90	1, 000	30, 000	0	0	0	0
69	Orleans College .....	0	50	0	.....	.....	.....	.....	.....
70	St. Isidore's College .....	500	200	0	34, 000	.....	.....	.....	.....
71	Select School for Boys .....	0	90	0	8, 000	0	0	0	.....
72	Thibodeaux College .....	.....	30-50	0	9, 000	0	0	0	0
MAINE.									
73	Abbott Family School .....	2, 500	a250-300	6, 000	40, 000	.....	.....	.....	.....
74	Portland Latin School and Forest City Military Academy .....	.....	100	.....	6, 000	.....	.....	.....	.....
75	Franklin Family School .....	500	a300	.....	4, 000	.....	.....	.....	.....

\* Statistics of 1887-88.

a Includes board.

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	MARYLAND.								
76	Boys' School of St. Paul's Parish.	0	0	-----	-----	-----	-----	-----	-----
77	The Gymnasium School.	-----	\$50-125	-----	-----	-----	-----	-----	-----
78	Newton Academy.	300	60	-----	\$12,000	-----	-----	-----	-----
79	School for Boys (870 Linden avenue).	-----	130-160	0	7,000	0	0	0	0
80	University School for Boys.	-----	150	\$500	15,000	-----	-----	-----	-----
81	Wright's University School.*	-----	100	50	10,000	-----	-----	0	0
82	Mt. St. Joseph's College.	5,000	40	-----	65,000	-----	-----	-----	-----
83	Overlea, Home School for Young Men.	-----	300	-----	20,000	-----	-----	-----	-----
84	Centreville Academy and High School.	-----	0	300	2,000	-----	-----	\$600	-----
85	Charlotte Hall School.	5,000	30	600	30,000	\$2,600	0	2,600	0
86	College of St. James Grammar School.	1,500	a300	-----	12,000	-----	-----	0	-----
87	West Nottingham Academy.	200	30-40	50	7,000	-----	-----	500	-----
88	Maupin's University School.	250	60-80	0	12,000	-----	-----	0	0
89	Frederick College*.	2,000	25-60	75	10,000	0	0	800	0
90	St. John's Literary Institution.	650	10-40	-----	20,000	-----	-----	400	-----
91	McDonogh Institute.	2,800	0	200	300,000	780,000	\$43,000	0	0
92	Rockville Academy.	-----	30-50	0	5,000	18,000	-----	800	-----
93	St. George's Hall.	800	230-275	4.0	20,000	0	0	0	-----
94	Upper Marlborough Academy.	0	0	0	1,000	-----	-----	1,200	0
	MASSACHUSETTS.								
95	Phillips Academy.	55,000	60	-----	57,000	236,000	12,000	-----	-----
96	Mitchell's Boys' School.	-----	a500	-----	30,000	0	0	0	0
97	Private School for Boys.	200	200	500	12,000	0	0	0	0
98	Carleton's School for Young Men and Boys.	500	125	50	10,000	0	0	0	0
99	Day and Family School for Boys.	-----	150	-----	-----	-----	-----	-----	-----
100	Powder Point School.	625	a600	200	10,000	0	0	0	0
101	Williston Seminary.	2,500	63	10,000	150,000	355,000	18,000	0	0
102	Sedgwick Institute.	3,000	a500	-----	30,000	-----	-----	-----	-----
103	Groton School.	600	a530	100	110,000	0	0	0	\$6,400
104	Mt. Hermon School.	2,500	a100	-----	240,000	50,000	-----	-----	-----
105	E. H. Cutler's Preparatory School for Boys.	-----	150	-----	-----	-----	-----	-----	-----
106	Allen Home School.	600	125	20	3,500	-----	-----	-----	-----
107	Home School for Boys (Knapp's).	2,000	a600	-----	15,000	-----	-----	-----	-----
108	Classical and English School.	400	200	-----	5,000	0	0	0	0
109	St. Mark's School.	1,500	a500	150	15,000	-----	-----	-----	-----
110	Greylock Institute*.	500	50	400	50,000	0	0	0	0
111	Highland Military Academy.	800	a350	500	25,000	-----	-----	-----	-----
112	Worcester Academy.	800	15-10	500	100,000	80,000	4,700	0	63,000
	MICHIGAN.								
113	Michigan Military Academy.	-----	a350	600	150,000	-----	-----	-----	-----

\* Statistics of 1887-88.

a Includes board.

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	MINNESOTA.								
114	Shattuck School.....	1,500	a\$400	\$3,360	\$300,000	\$15,000	\$1,050		\$50,000
115	Evangelical Lutheran School.	700	25		40,000				
116	Sauk Centre Academy ..		35		4,000				
	MISSISSIPPI.								
117	Blue Mountain Male Academy.	150	25	10	600			\$280	
118	Jefferson College*.....	2,400	30	100	30,000	45,000	4,100		
	MISSOURI.								
119	Kemper Family School...	1,500	110	500	30,000	0	0	0	0
120	St. Paul's College .....		20		7,000				
121	Wentworth Male Academy.	250	50	50	15,000	0	0	0	0
122	St. James Military Academy.		a300	400	20,000				
123	Educational Institute ....	450	40-100	350	32,000	0	0	0	0
124	Lutheran High School .....		40						
125	Smith Academy.....	0	70-100	1,500	75,000	0		0	0
	NEW HAMPSHIRE.								
126	St. Paul's School .....	6,000	a500	1,000	275,000	80,000		0	0
127	Phillips Exeter Academy.	1,500	66	600	163,186	406,697	25,000	0	20,000
	NEW JERSEY.								
128	Academic Department of the German Theological School, of Newark, N. J.	3,800	0	500	20,000	33,000		0	5,000
129	Adelphic Institute.....								
130	Bordentown Military Institute.	500	a275-325		13,000				
131	West Jersey Academy...	200	45	100	30,000	0	0	0	
132	English and Classical School.		106						
133	Phillips' School .....	0	150-200						
134	Stevens School .....		75-150	1,000	50,000	0	0	0	
135	Courtland School .....	3,000			20,000				
136	Lawrenceville School .....	2,000	100	1,500	800,000				
137	Morris Academy .....		110-150	400					
138	Mt. Holly Academy .....	500	40-60		10,000	0	0	0	0
139	Newark Academy .....	200	60-120	2,000	75,000	18,000	2,000		
140	Rutgers College Grammar School.	300	36-72	1,000	50,000				
141	The Paterson Classical and Scientific School.		80-100		12,000				
142	Mr. Leal's School .....		100	300	6,000	0	0	0	0
143	Preparatory School .....		100		16,000				
144	Summit Academy.....	200	110	100	10,000	0	0	0	0
	NEW MEXICO.								
145	St. Mary's College.....	17	20	150	2,500				
146	St. Michael's College .....		20-30		40,000				

\* Statistics of 1887-88.

a Includes board.



TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION A.—*Private schools for boys.*—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	NEW YORK.								
147	The Albany Academy....	500	\$40-100	\$1,000	\$90,000	\$18,000	\$900	0	0
148	Christian Brothers' Academy.	426	40	900	80,000				
149	Astoria Latin School .....		75						
150	Brooklyn Latin School .....		125-225						
151	College Grammar School .....	200	15-40	400		0	0	0	0
152	English, Classical, and Mathematical School.		60-150						
153	Heathcote School .....	0	50-150	100	35,000				
154	Canandaigua Academy .....	1,200	40	3,000	25,000	15,000	900	\$400	
155	Clinton Grammar School .....	275	20-48	275	5,600			112	
156	Kirkland Hall .....	1,000	25-60	150	10,000			0	0
157	Cornwall Heights School .....	200	a500	50	18,000				
158	Westminster School .....		200						
159	Flushing Institute .....	1,339	60						
160	St. Paul's Cathedral School.	1,200	a500	700	800,000	0	0	0	0
161	Colgate Academy .....	1,400	36	2,600	60,000	55,000	3,300	218	\$793
162	St. John's Military School .....	395	50	1,600	130,000				
163	St. Austin's School .....		a500		200,000				
164	Trinity School for Boys .....	2,200	100-120	2,000	22,400	0	0	0	0
165	Siglar's Preparatory School.	475	100		30,000				
166	Barnard School .....	1,000	80-250	500	60,000				
167	Berkeley School .....	600	300	1,000	250,000				
168	Callisen's School for Boys and Young Men.	250	200	500					
169	Classical and English School.								
170	The Collegiate School .....		80-260						
171	Cutler's Private School for Boys.	250	250-400						
172	Dwight School .....		100-250					0	0
173	Gibbens and Beach School for Boys.	450	a200		75,000				
174	Halsey's Collegiate School for Boys.		100-300						
175	La Salle Academy .....	3,000	40		100,000	0	0	0	
176	Lyon's Classical School .....	100	150-300						
177	McMullen's Private School for Boys.	500	100-240	0	0	0	0	0	0
178	Richard's School for Boys.								
179	Sach's Collegiate Institute.	400	195	800					
180	St. Louis College .....	4,000	100-250						
181	University Grammar School.								
182	West End School .....		100-300	100	45,000				
183	Woodbridge School .....	350	75-300	300					
184	Pehegan Lake School .....	300	80	100	15,000	0	0	0	0
185	Pekskill Military Academy.	2,000	100	2,500	40,000				
186	Worrall Hall .....	800	a400	1,000	25,000	0	0	0	0
187	Riverview Military Academy.	500	75-125	500	85,000				
188	Dr. Warring's Boarding School.	500	a400	250	37,500				
189	Hale's Classical and Scientific School.		200						
190	Wagner Memorial Lutheran College.	300	32		40,000		4,000		
191	The Bryant School .....	500	a600	150	75,000	0	0	0	0
192	St. Paul's Hall .....	250	400	100	20,000	0	0	0	0

a Includes board.

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	NEW YORK—continued.								
193	Saratoga Institute.....	200	\$65	\$50	\$40,000	—	—	0	—
194	Holbrook's Military School.....	600	a500	300	20,000	0	0	0	—
195	Mt. Pleasant Military School.*	11,984	125	1,200	100,000	—	—	—	—
196	St. John's School.....	1,000	600	—	75,000	—	—	—	—
197	De Veaux College.....	1,500	50	—	400,000	\$125,000	—	0	—
198	Trinity School.....	400	—	250	50,000	—	—	—	—
199	St. Mary's Commercial Academy.....	3,000	40	800	30,000	—	—	0	—
200	Troy Academy.....	597	50-84	261	16,000	0	0	\$62	0
201	Boy's Boarding School..	1,200	160	—	30,000	0	0	0	0
202	Alexander Institute.....	2,000	100	1,000	25,000	0	0	0	0
	NORTH CAROLINA.								
203	Asheville Military Academy.*	—	60	—	5,000	—	—	—	—
204	St. Mary's College.....	2,000	a200	1,000	—	—	—	—	—
205	Bingham School.....	—	100	—	25,000	0	0	0	0
206	Clinton Male Academy*..	—	30	—	1,000	—	—	—	—
207	Buckhorn Academy.....	1,500	30	—	500	—	—	—	—
208	Concord Male High School.*	100	12-35	—	1,500	—	—	—	—
209	Jackson Male Academy..	—	15-40	0	800	—	—	0	0
210	Male Academy.....	—	20	—	1,800	—	—	—	—
211	Horner School.....	2,000	70	—	25,000	—	—	—	—
212	Raleigh Male Academy..	—	50	—	5,000	0	0	0	0
213	Vine Hill Male Academy	0	30	0	5,000	—	—	—	—
214	Male Academy*.....	—	25-40	—	2,500	—	—	—	—
215	A. H. Hamblin's School for Boys.....	—	24	—	—	—	—	—	—
216	Cape Fear Academy.....	100	36-56	125	—	—	—	—	—
217	English and Classical School.....	2,000	50-100	300	5,000	—	—	—	—
	OHIO.								
218	Collegiate School.....	—	100-150	—	—	—	—	—	—
219	Franklin School.....	200	160	200	13,000	—	—	—	—
220	Mt. Auburn Classical and English Boys' School.....	300	70-180	—	10,000	—	—	—	—
221	St. Francis Gymnasium..	—	30	200	9,000	—	—	—	—
222	Brook's Military Academy.*	300	100-150	—	28,000	0	0	0	\$125 1,000
223	St. Mary's Institute.....	3,000	180	1,500	—	0	0	0	0
224	Kenyon Military Academy.....	—	a400	500	—	—	—	—	—
	OREGON.								
225	Bishop Scott Academy...	1,000	40-60	—	150,000	10,000	—	—	—
226	St. Michael's College.....	—	—	200	20,000	—	—	0	0
	PENNSYLVANIA.								
227	Preparatory School for Lehigh University.*	—	—	—	—	—	—	—	—
228	St. Luke's Boarding School for Boys.....	500	a425	—	35,000	—	—	—	—
229	Chambersburgh Academy	700	60	150	20,000	—	—	—	—
230	Darby Friends' School.....	—	24-30	50	4,000	11,000	\$500	—	—
231	Home Boarding School ..	—	30	—	6,000	—	—	—	—

\* Statistics of 1887-88.

a Includes board

TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION A.—Private schools for boys.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive fund.	Income for the year from productive fund.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	PENNSYLVANIA—continued.								
232	Franklin School for Boys	1,000	\$100-125	\$200	\$75,000	-----	-----	-----	-----
233	Germantown Academy	700	75-125	500	100,000	-----	-----	-----	-----
234	The Yeates Institute	-----	25-60	100	15,000	\$45,000	\$2,455	-----	-----
235	Shortlidge's Academy for Boys.	-----	a500	5,000	80,000	-----	-----	-----	-----
236	Nazareth Hall	5,000	a295	2,000	20,000	-----	-----	-----	-----
237	St. Mary's College	4,300	200	0	15,238	0	0	0	0
238	Cheltenham Academy	300	150	100	60,000	-----	-----	-----	-----
239	Academy of the Protestant Episcopal Church.	500	100-150	-----	-----	-----	-----	-----	-----
240	Broad Street Academy	1,000	250	1,000	-----	0	0	0	0
241	Friends' Select School	12,000	70	1,000	-----	-----	-----	-----	-----
242	Girard College	10,460	50	4,000	3,160,000	11,121,955	944,560	-----	-----
243	Martin's School for Boys.	-----	150	-----	-----	-----	-----	-----	-----
244	North Broad Street Select School.	450	60-160	6,000	-----	-----	-----	-----	-----
245	Rittenhouse Academy	-----	100	500	-----	0	0	0	0
246	Rugby Academy	-----	125	1,000	30,000	-----	-----	-----	-----
247	William Penn Charter School.	600	100-200	1,000	120,000	-----	-----	-----	-----
248	Selwyn Hall	600	90	-----	45,000	0	0	0	0
249	Trinity Hall	1,000	a400	-----	125,000	0	0	0	0
250	Hamilton School	-----	40-150	-----	-----	-----	-----	-----	-----
251	Harry Hiltman Academy	-----	100	-----	50,000	-----	-----	-----	-----
	RHODE ISLAND.								
252	English and Classical School.	1,100	60-125	6,000	100,000	-----	-----	-----	-----
253	La Salle Academy	500	30	-----	50,000	-----	-----	-----	-----
254	University Grammar School.	0	80-125	-----	-----	-----	-----	-----	-----
	SOUTH CAROLINA.								
255	Patrick Military Institute.	-----	50	-----	-----	0	-----	-----	-----
256	High School of Charleston.	100	40	500	15,000	-----	-----	\$4,000	-----
257	University School	-----	80-125	-----	-----	0	0	0	0
258	Clarkson's Classical and English School.	-----	80-100	-----	-----	0	0	0	0
259	Reidville Male High School.	200	25-40	-----	2,500	0	0	0	0
260	Male High School	-----	30	-----	1,000	0	0	0	0
	TENNESSEE.								
261	Webb School	1,570	75	0	5,000	0	0	0	0
262	Battle Ground Academy	400	56	600	8,000	-----	-----	-----	-----
263	Memphis Institute	-----	40-70	-----	15,000	-----	-----	-----	-----
264	Montgomery Bell Academy.	300	50-80	500	20,000	50,000	3,000	0	0
	TEXAS.								
265	Belton Male Academy	-----	32-52	100	-----	-----	-----	-----	-----
266	Farnum College	-----	20-50	225	10,000	-----	-----	-----	-----
267	St. Joseph's College*	-----	2	-----	25,000	-----	-----	-----	\$1,000
268	St. Mary's College	1,800	15	4,000	60,000	-----	-----	-----	-----
	VERMONT.								
269	Vermont Episcopal Institute.	400	a350	200	40,000	-----	-----	-----	-----

\*Statistics of 1887-88.

a Includes board.



TABLE 5.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1883-89—Continued.

## DIVISION A.—Private schools for boys.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	VIRGINIA.								
270	Abingdon Male Academy.....		\$50-70		\$12,500				
271	Episcopal High School.....		90		20,000				
272	Potomac Academy.....		50-90	\$125	5,200				
273	St. John's Academy.....	1,000	40	800	10,000	0	0	0	0
274	Seven Islands School.....	1,000	40		5,000				
275	Bellvue High School.....	3,000	a350	0	25,000				
276	Classical and Military Academy.....	1,000	200	200	25,000	\$25,000	\$2,500	0	0
277	Pantops Academy.....	2,500	60		30,000			0	
278	Virginia Midland Academy.....	100	50	200	10,000	2,000			
279	Locust Dale Academy....	200	50	150	6,000			0	0
280	Cleveland High School...	50	50		6,000				
281	Mt. Welcome High School.....	400	75	15	4,000				
282	Norfolk Academy.....	0	60	0	75,000	0	0	0	0
283	University School.....	5,000	80		1,200				
284	Staunton Male Academy.....	300	75	1,000	20,000	0	0	0	0
285	Suffolk Military Academy.....	0	40-60	300	8,000				
286	Fishburne School.....	500	50	100	12,000				
	WASHINGTON TERRITORY.								
287	Colville Mission Industrial Boarding School.....	1,200			8,000	5,000	1,000	\$5,400	
288	Washington College.....	500	40-60	200	100,000	50,000	3,000	0	\$65
289	St. James' College.....	300	15-30	0	10,000	0	0	0	5
	WEST VIRGINIA.								
290	Charlestown Male Academy.....	0	a260						
	WISCONSIN.								
291	Mission House of the Reformed Church in the United States.....	4,700	20		35,000	830			19,918
292	Concordia College.....	600			75,000				
293	Marquette College.....	3,000	60	3,500	100,000	0	0	0	
294	Milwaukee Academy.....	400	50-120	300	25,000	0	0	0	0
295	St. Lawrence College.....	2,500	30	300	42,000			0	0
296	Catholic Normal School.....	500	40		60,000				
297	University of our Lady of the Sacred Heart.....	1,560	200						

a Includes board.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89.

DIVISION B.—*Private schools for girls.*—PART I.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.			Has the school a gymnasium?	Is military drill employed?
						Male.	Female.	Total.	Male.	Female.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13	
ALABAMA.													
1 Demopolis.....	Marengo Institute.....	G. F. Mollen, A. M.....	1843	1844	Non-sect..	1	8	9	110	.....	No..	(a)	
2 Greenville.....	South Alabama Female Institute.....	J. B. Little, president.....	1873	.....	Baptist..	2	5	7	175	.....	No..	No.	
3 Tusculum.....	Desbler Female Institute.....	S. F. Rice.....	1870	1872	Non-sect..	1	4	5	60	.....	No..	No.	
ARKANSAS.													
4 Little Rock (800 Cumberland st.).....	Arkansas Female College.....	Myra C. Warner.....	1874	1874	Non-sect..	2	7	9	130	5	No..	No.	
CALIFORNIA.													
5 Benicia.....	Saint Catherine's Academy.....	Sister Superior.....	.....	1850	R. C.....	0	15	15	100	.....	Yes.	No.	
6 Marysville.....	College of Notre Dame.....	Sister Marie Alcine.....	1869	1856	R. C.....	0	9	9	129	20	No..	No.	
7 Oakland.....	Convent of Our Lady of the Sacred Heart.....	Sisters of the Holy Names.....	1880	1868	R. C.....	2	20	22	155	.....	Yes.	Yes.	
8 Oakland (1825 Telegraph ave.).....	Field Seminary.....	Mrs. R. G. Knox.....	1872	1872	Non-sect..	6	15	21	154	16	Yes	Yes	
9 Oakland.....	Snell Seminary.....	R. B. Snell, A. M.....	.....	1878	Non-sect..	4	9	13	175	20	Yes	No.	
10 Sacramento.....	St. Joseph's Academy.....	Sister Mary.....	.....	1857	R. C.....	0	10	10	30	.....	No..	No.	
11 San Francisco (1038 Valencia st.).....	Irving Institute.....	Rev. Edward B. Church, A. M.....	1857	1877	P. E.....	6	12	18	146	4	No..	No.	
12 San Francisco (922 Post st.).....	Miss Lake's School.....	Miss Mary Lake.....	1863	1862	P. E.....	3	17	20	105	1	Yes.	No.	
13 San Francisco (1606 Van Ness ave.).....	School for Girls.....	Miss Mary B. West.....	.....	1872	Non-sect..	1	13	14	155	3	No..	No.	
14 San José (Wilson ave.).....	Home Seminary.....	Miss S. Baker.....	1881	1881	Non-sect..	.....	2	2	28	6	No..	No.	





TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private schools for girls—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.			Has the school a gymnasium?	Is military drill employed?
						Male.	Female.	Total.	Total.	Total preparing for col- lege classical course, or for scientific school.			
1	2	3	4	5	6	7	8	9	10	11	12	13	
ILLINOIS.													
Chicago (2141 Calumet ave.).	Dearborn Seminary.....	Zaings Grove.....	1856	1856	Non-sect..	2	10	12	94	.....	No..	No.	
Chicago (479 Dearborn ave.).	Girls' Higher School .....	Miss R. S. Rice, A. M., and Miss M. E. Beedy, A. M.	.....	1876	Non-sect..	.....	13	13	103	16	(a)	No.	
Chicago (249 Dearborn ave.).	Grant Collegiate Institute.....	Miss M. A. Mineah, A. M.....	.....	1869	Non-sect..	3	15	18	135	13	Yes.	(a)	
Chicago (275 Huron st.)...	Kirkland School.....	Miss Elizabeth S. Kirkland.....	.....	1875	Non-sect..	1	15	16	180	2	Yes.	Yes.	
Chicago (2535 Prairie ave.).	The Loring School .....	Mrs. S. D. Loring .....	.....	1876	Non-sect..	4	17	21	169	.....	Yes.	(a)	
Chicago (Wabash ave. and 29th st.).	St. Xavier's Academy.....	Sister Mary Genevieve.....	1847	1846	R. C.....	.....	21	21	250	.....	.....	.....	
Godfrey.....	Monticello Female Seminary.....	Miss Harriet Nowell Haskell.....	1840	1838	Non-sect..	.....	16	16	109	109	Yes.	No.	
Joliet.....	St. Francis Academy.....	Sister M. Stanislaus Droessler.....	1874	1870	R. C.....	2	6	8	54	.....	No..	No.	
Kankakee.....	St. Joseph's Seminary.....	Sister S. Zephyrine, superior- ess.....	1874	1865	R. C.....	.....	11	11	300	25	.....	.....	
Ottawa.....	St. Francis Xavier's Academy .....	Sisters of Mercy.....	1867	1859	R. C.....	0	8	8	200	40	No..	No.	
Springfield.....	St. Agatha's School .....	D. Murdoch.....	1881	1881	P. E.....	2	5	7	85	21	No..	No.	
Washington Heights.....	Institute of Our Lady of the Sacred Heart.....	Mother Pacifica.....	1887	1875	R. C.....	.....	13	13	94	.....	.....	(a)	
INDIANA.													
Fort Wayne.....	St. Augustine's Academy .....	Sisters of Providence .....	.....	1845	R. C.....	.....	12	12	365	6	No..	No.	
do.....	Westminster Seminary.....	Mrs. D. B. Wells.....	.....	1883	Presb.....	.....	8	8	62	13	No..	(a)	
Indianapolis.....	Classical School for Girls.....	Theodore L. Sewell, A. M.....	.....	1882	Non-sect..	2	15	17	185	.....	Yes.	No.	
do.....	Indianapolis Institute.....	James Lyon.....	.....	1886	P. E.....	4	8	12	70	.....	.....	(a)	
do.....	St. John's Academy.....	Sisters of Providence .....	.....	1859	R. C.....	.....	19	19	294	.....	No..	(a)	



TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private school for girls.—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.		Students.		Is military drill employed?	Has the school a gymnasium?	
						Male.	Female.	Total.	Total preparing for college classical course, or for scientific school.			
1	2	3	4	5	6	7	8	9	10	11	12	13
MARYLAND—continued.												
87 St. Mary's City .....	St. Mary's Seminary .....	Miss A. E. Thomas .....	1844	1845	Non-sect.	2	3	5	27	.....	Yes.	No.
88 Sandy Spring .....	Rockland School for Girls .....	Henry C. Hallowell .....	.....	1878	Non-sect.	2	5	7	46	.....	Yes.	No.
MASSACHUSETTS.												
89 Amherst .....	Home School for Girls .....	Mrs. W. T. Stearns .....	.....	1876	Non-sect.	1	5	6	16	1	.....	No.
90 Auburnville .....	Riverside Home and Day School .....	Miss Della T. Smith .....	.....	1882	Non-sect.	.....	7	7	21	18	.....	No.
91 Boston (Berkeley st.) .....	Academy of Notre Dame .....	Sister Mary Bernardine, S. M. D. .....	.....	1865	R. C.	.....	11	11	140	.....	.....	No.
92 Boston (Chester Square) .....	Academy of the Sacred Heart .....	S. T. Randall .....	1885	1880	R. C.	.....	9	9	80	12	No.	No.
93 Boston (68 Chester Square) .....	Home and Day School .....	Mary E. C. Hayes .....	.....	1872	Non-sect.	2	5	7	27	7	(a)	No.
94 Boston (21 Marlboro st.) .....	Home and Day School for Girls .....	Selma Wesselhoft .....	.....	1877	Non-sect.	.....	8	8	49	5	No.	No.
95 Boston (18 Newbury st.) .....	Home and Day School for Young Ladies .....	Miss Abby H. Johnson .....	.....	1875	Non-sect.	2	9	11	43	3	Yes.	No.
96 Boston (9 Lothrop Square) .....	Miss Ireland's School .....	Catharine Jones Ireland .....	.....	1872	Non-sect.	3	7	10	56	.....	Yes.	No.
97 Boston (233 Marlboro st.) .....	Sears's School for Girls .....	Edmund H. Sears .....	.....	1885	.....	2	4	6	28	.....	No.	No.
98 Boston (112 Newbury st.) .....	School for Girls .....	Miss M. L. Hubbard .....	.....	1870	.....	.....	7	7	23	.....	No.	No.
99 Cambridge (20 Mason st.) .....	The Cambridge School .....	Arthur Gillman, director .....	1886	1886	Non-sect.	.....	10	10	67	67	Yes.	No.
100 Conway .....	Mrs. H. D. Perry's Family School .....	Mrs. H. D. Perry .....	.....	1875	Non-sect.	.....	2	2	16	12	.....	No.
101 Danvers .....	The Willard Home School .....	Mrs. H. M. Merrill .....	.....	1887	Non-sect.	.....	6	6	23	5	Yes.	No.
102 Dorchester .....	Shawmut School .....	Miss Ella G. Ives .....	.....	1885	Non-sect.	.....	6	6	42	6	.....	No.
103 East Northfield .....	Northfield Seminary .....	Miss E. S. Hall, B. A. .....	1880	1879	Non-sect.	1	19	20	291	.....	Yes.	No.
104 Everett .....	Home School .....	Mrs. A. P. Potter .....	.....	1874	Rapt.	.....	1	7	8	31	.....	(b)
105 Greenfield .....	Prospect Hill School .....	Rev. James Challis Parsons .....	1881	1869	Non-sect.	3	6	9	32	3	No.	No.
106 Jamaica Plain (St. John st.) .....	Home and Day School .....	Mrs. B. W. Putnam .....	.....	1874	Non-sect.	.....	5	5	28	2	.....	(a)



No.	Lawrence	Lawrence Private School.	Miss Marcia Packard.	1881	P. E.	5	35	No.
107	Lowell	English and Classical School.	Miss Lucy D. Hill	1886	.....	2	8	No.
108	Natick	Home School*	Mrs. A. P. Potter	1846	Bapt.	5	34	No.
109	Newton (29 Vernon st.)	The Messes Allen's School	Mrs. Hannah Allen	1848	Non-sect.	1	14	2
110	Northampton	Chausted School for Girls.	Miss B. T. Capon	1877	Non-sect.	4	102	36
111	Roxbury	Notre Dame Academy	Sister Aloyse, superioress	1863	R. C.	15	15	80
112	Springfield (141 High st.)	"The Elms"	Miss Charlotte W. Porter	1866	Non-sect.	3	10	6
113	Wellesley	Dana Hall School	Julia A. Eastman	1880	Non-sect.	15	100	90
114	West Bridgewater	Howard Collegiate Institute	Miss Emma O. Conroy	1863	Non-sect.	1	6	25
115	Worcester (25 Chatham st.)	Miss Williams' School*	Miss Ava Williams	1873	Non-sect.	2	6	18
MICHIGAN.								
117	Detroit (47 Adams ave. west)	Detroit Seminary	A. M. McCutchem	1859	Non-sect.	2	9	114
118	Marshall	St. Mary's Academy	P. A. Baart	1883	R. C.	5	5	150
119	St. Clair	Somerville School	Dr. C. C. Wetsell	1880	Non-sect.	5	10	Yes.
MINNESOTA.								
120	Faribault	Bethlehem Female Academy	Dominican Sister	1885	R. C.	12	89	No.
121	Minneapolis (1020 Harmon Place)	Judson Female Institute	Miss Abby A. Judson	1879	Non-sect.	2	8	0
122	Rochester	Notre Dame de Lourdes Academy	Mother Mary Alfred	1877	R. C.	4	4	55
MISSISSIPPI.								
123	Carrollton	Carrollton Female College	Z. T. Leavell, president	1873	Baptist	3	3	42
124	Clinton	Mt. Hermon Female Seminary	Sarah A. Dickey	1883	Non-sect.	5	5	230
125	Payette	Payette Academy	Miss Kate Wharton	1881	Presb.	3	3	48
126	Oxford	Warren Female College	Mrs. C. A. Lancaster	1880	Non-sect.	4	4	65
127	Winona	Winona Female College	J. T. Zealy	1870	Non-sect.	1	5	175
MISSOURI.								
128	Macon	St. Agnes Hall	L. A. Smith	1886	P. E.	5	5	40
129	Rich Hill	Rich Hill Female Seminary	Mrs. R. A. Allen	1884	Non-sect.	4	4	53
130	St. Charles	Sacred Heart Academy	R. Conway, superior	1818	R. C.	18	18	148
131	St. Joseph	Academy of the Sacred Heart	.....	1852	R. C.	19	110	No.
132	St. Joseph (5th and An- tione sts.)	Young Ladies' Institute	Rev. Charles Martin, M. D.	1869	Non-sect.	3	7	101
133	St. Louis (Meramec st.)	Academy of the Sacred Heart*	Madame M. O'Meara	1837	R. C.	5	25	30
134	St. Louis (1613 Compton ave.)	School of the Good Shepherd	Sister Catharine	1873	P. E.	1	14	15
135	Sedalia	Mrs. Miller's Seminary	Mrs. R. T. Miller	1884	.....	2	4	25
NEBRASKA.								
136	Omaha	Academy of the Sacred Heart	Madame Onahan	1881	R. C.	20	20	110

b Calisthenics.

a Pupils attend the Allen Gymnasium.

\* Statistics of 1887-88.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION B.—*Private schools for girls.*—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.			Has the school a gymnasium?	Is military drill employed?
						Male.	Female.	Total.	Total preparing for college classical course.	or for scientific school.	in college or scientific		
1	2	3	4	5	6	7	8	9	10	11	12	13	
NEBRASKA—continued.													
137 Omaha.....	Brownell Hall.....	Rev. Robert Doherty, M. A., rector.	1867	1862	P. E.....	2	9	11	117	82	Yes.		
138 do.....	St. Catherine's Academy.....		1877	1877	R. C.....	.....	12	12	90	.....	Yes.		
NEVADA.													
139 Reno.....	The Bishop's School for Girls.....	J. M. Rankin.....	.....	1876	P. E.....	1	8	9	70	.....	Yes.	No.	
NEW HAMPSHIRE.													
140 Concord.....	St. Mary's School for Girls.....	Miss Elizabeth M. M. Gainforth.	1885	1886	P. E.....	3	4	7	37	.....	Yes.	No.	
141 Portsmouth.....	Miss Morgan's Home School.....	M. Foster.....	.....	1874	Non-sect..	.....	7	7	44	.....	No..		
NEW JERSEY.													
142 Bridgeton.....	Ivy Hall Seminary.....	Rev. Henry Reeves, Ph. D.....	.....	1861	Non-sect..	4	6	10	56	3	Yes.	No.	
143 do.....	Seven Gables Boarding School.....	Mrs. Westcott.....	.....	1874	Non-sect..	4	7	11	28	20	Yes.	Yes.	
144 Elizabeth (279 Broad st.).....	The Misses Vail and Deane.....	Sister M. Nonna, superioress.	.....	1886	Non-sect..	1	7	8	66	6	No..	(a)	
145 Fort Lee.....	Institute of Holy Angels.....	F. D. Budlong, A. M.....	.....	1879	R. C.....	.....	6	6	20	.....	.....	.....	
146 Hightstown.....	Hightstown Seminary.....	.....	.....	1885	Non-sect..	1	5	6	50	2	.....	.....	
147 Hoboken (352 Bloomfield st.).....	Young Ladies' Institute.....	Mathilde Schmdie.....	.....	1868	Non-sect..	.....	11	11	100	.....	.....	.....	
148 Lakewood.....	The Oaks.....	E. F. Fanenston.....	.....	1885	.....	.....	6	6	44	.....	Yes	Yes.	
149 Mont Clair.....	Fairview Home and Day School.....	Mrs. A. H. Bissell.....	.....	1888	.....	.....	5	5	26	.....	Yes.	Yes.	

No.	School	1877	Non-sect.	4	15	19	143	Yes	No.
150	Morristown.....	Miss E. E. Dana	Non-sect.	3	7	10	55	40	No.
151	Newark (27 Hill st.).....	Miss Anna F. Whitmore	Non-sect.	3	7	10	55	40	No.
152	Newark (5 Clinton ave.).....	Miss Craven	Non-sect.	3	7	10	55	40	No.
153	New Brunswick (40 Bay- and st.).....	Miss Harriet I. Anable	Non-sect.	4	9	13	60	1	No.
154	Plainfield (13 W. 7th st.).....	Miss E. E. Kenyon	Non-sect.	2	8	10	60	1	Yes.
155	Plainfield (25 E. 5th st.).....	Mrs. R. C. Dungee	P. E	1	4	5	35	4	No.
NEW YORK.									
156	Albany (40 N. Pearl st.).....	Miss Lucy A. Plympton	Non-sect.	2	14	16	166	3	No.
157	Batavia.....	Miss Mary J. Stephens	Non-sect.	2	9	11	46	1	No.
158	Binghamton.....	Mrs. Jane G. Hyde	Non-sect.	2	9	11	75	10	No.
159	Brooklyn (183 Lincoln Place).....	Miss C. E. Hayner	Non-sect.	2	6	8	75	---	Yes
160	Brooklyn (119 Sixth ave.).....	Mrs. E. C. Stacker	Non-sect.	---	---	7	78	---	No.
161	Brooklyn (209 Clinton ave.).....	Sisters of the Visitation	R. C	---	15	15	136	---	No.
162	Brooklyn (Schermerhorn st.).....	Susan P. Peckham	Friends	0	7	7	103	0	No.
163	Buffalo.....	Sister D. M. Kirly	R. C	---	17	17	231	20	Yes.
164	Buffalo (749 Washington st.).....	Sister M. Leonard	R. C	1	7	8	85	---	(b)
165	Canandaigua.....	Mrs. Samuel D. Backus	Cong.	2	7	9	26	---	No.
166	Carmel.....	Geo. Crosby Smith, A. M., president.	M. E	2	5	7	67	---	No.
167	Clinton.....	Rev. Chester W. Hawley, A. M.	Non-sect.	2	6	8	90	1	No. (c)
168	do.....	Mrs. J. A. Slayton	Non-sect.	3	7	10	105	---	No.
169	do.....	A. G. Bonedict, A. M.	P. E	1	5	6	31	---	(d)
170	Fort Edward.....	Jos. E. King, D. D., Ph. D., president.	Non-sect.	4	9	13	110	10	Yes.
171	Garden City.....	Miss Charlotte Titcomb	P. E	5	0	11	47	---	(a)
172	Hudson (621 Union st.).....	Sarah R. Skinner	Non-sect.	1	9	10	100	40	No.
173	Mt. Vernon (box 82).....	Mary C. Lockwood	Non-sect.	3	5	8	65	20	Yes.
174	New Brighton (S. L.).....	George W. Cook, Ph. D.	R. C	5	5	5	58	---	No.
175	Newburgh.....	Sister M. Hildebrand	Non-sect.	1	12	13	61	4	No.
176	New York (28 East 56th st.).....	Mlle. Kuel	Non-sect.	1	20	24	151	5	No.
177	New York (6 East 45th st.).....	J. G. Crowsell, head-master	Non-sect.	4	20	24	151	5	Yes.
178	New York (1961 Madison ave.).....	Ella L. Barnes	Non-sect.	2	7	9	65	17	No.
179	New York (62 W. 40th st.).....	Miss Lydia Day	Non-sect.	4	14	18	78	4	Yes.
180	New York (148 Madison ave.).....	Mrs. J. J. Roberts	Non-sect.	4	8	12	60	---	No.
181	New York (55 W. 47th st.).....	Miss Julia Gibbons	Non-sect.	1	7	8	60	8	Yes.
182	New York (343 W. 42d st.).....	Sister in charge	R. C	1	12	13	230	33	No.
183	New York (231 E. 17th st.).....	do	P. E	2	6	8	38	6	No.
184	New York (8 East 46th st.).....	do	P. E	3	17	20	150	105	No.
185	New York (2411 Leucx ave.).....	Mary Falconer Perrin	Non-sect.	4	11	15	98	---	Yes
186	New York (2 W. est 62d st.).....	Madame Van Norman	Non-sect.	4	11	15	80	---	Yes
187	New York (711 Madison ave.).....	Gertrude Weil	Non-sect.	5	10	15	80	---	Yes

c Elocutionary physical culture.

b Exercises with gymnastic apparatus.

a Calisthenics.







TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION B.—*Private schools for girls*.—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Has the school a gymnasium?	Is military drill employed?
						Male	Female.	Total.	Total.	Total preparing for col- lege classical course in college or scientific school.		
1	2	3	4	5	6	7	8	9	10	11	12	13
PENNSYLVANIA—continued.												
240	Philadelphia (2027 Chest- nut st.).	Wellesley School.....				3	10	13	100	17		
241	Philadelphia (1602 W. Green st.).	West Green Street Institute .....		1868	Lutheran	2	7	9	48			
242	Philadelphia (2015 Walnut st.).	West Walnut Street Seminary.....			Non-sect..	10	11	21	35	20	(a)	
243	South Bethlehem .....	The Bishopshorpe School.....	1874	1868	P. E.	...	7	7	44	...	Yes.	No.
244	West Chester.....	Darlington Seminary.....		1854	Friends	2	6	8	80	5	Yes	Yes.
245	Williamsport.....	Miss J. M. Wilson .....		1865		...	3	3	45		No..	
RHODE ISLAND.												
246	Providence (Elmhurst)...	Clara O'Rourke, superioress.....	1873	1873	R. C.	...	19	19	57	...	No..	No.
247	Providence (235 Benefit st.).	Miss Ida M. Gardner .....		1890	Non-sect..	3	7	10	37			
SOUTH CAROLINA.												
248	Reidville .....	A. Spencer, A. M., president.....	1857	1858	Presb.	1	2	3	35	...	No..	No.
249	Sumter .....	Mrs. L. A. Browne .....		1867	Presb.	2	8	10	132			
TENNESSEE.												
250	Bristol .....	L. L. Il Carlock, president.....	1874	1868	M. E. So.	3	7	10	206	...	No..	No.
251	Clarksville .....	Mrs. E. G. Buford .....	1846	1846	M. E. So.	0	6	6	50	10	Yes.	No.





TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION B.—*Private schools for girls.*—PART I—Continued.

Location.	Name.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.		Has the school a gymnasium?	Is military drill employed?							
						Male.	Female.	Total.	Total.	Total preparing for college, classical course, or for scientific school.									
1	2	3	4	5	6	7	8	9	10	11	12	13							
WEST VIRGINIA.																			
284 Parkersburgh .....	Academy of the Visitation .....	Sister M. Cecilia, directress .....	1864 .....	1864 .....	R. C .....	.....	13	13	100	.....	No. ....	No.							
285 Wheeling .....													Miss Pauline H. Seguin .....	Non-sect. ....	1	3	4	70	
WISCONSIN.																			
286 Kenosha .....	Kemper Hall .....	Sisters of St. Mary .....	.....	1870 .....	P. E .....	3	9	12	99	.....	Yes.	.....							
287 Madison (Edgewood Villa) .....													Sister Borromea, superioress .....	R. C .....	7	7	25	15	No. ....
288 Milwaukee .....													St. Mary Antonio .....	R. C .....	2	9	11	345	.....
289 Prairie du Chien .....													Sister M. Seraphia .....	R. C .....	10	16	130	.....	.....
290 Racine (1215 Park ave.) ..													Mother M. Hyacintha .....	R. C .....	11	11	133	.....	Yes.

\* Statistics of 1887-88.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1883-83.\*

## DIVISION B.—Private schools for girls.—PART II.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	ALABAMA.								
1	Marengo Institute.....	1,500	\$25-50	\$100	\$10,000	.....	.....	.....	.....
2	South Alabama Female Institute.	250	25	.....	2,000	.....	.....	.....	.....
3	Deshler Female Institute.	0	20-40	0	10,000	0	0	0	0
	ARKANSAS.								
4	Arkansas Female College.	798	32-62	0	15,000	0	0	0	0
	CALIFORNIA.								
5	Saint Catherine's Academy.	.....	a 225	150	.....	.....	.....	0	.....
6	College of Notre Dame ..	515	40	.....	20,000	0	0	0	.....
7	Convent of Our Lady of the Sacred Heart.	2,000	a 260	.....	.....	.....	.....	.....	.....
8	Field Seminary.....	950	60	1,000	40,000	0	0	0	0
9	Snell Seminary.....	250	60	350	50,000	.....	.....	.....	.....
10	St. Joseph's Academy	2,000	.....	.....	10,000	.....	.....	0	.....
11	Irving Institute.....	1,000	60-100	500	50,000	0	0	0	0
12	Miss Lake's School.....	800	100	100	30,000	0	0	0	0
13	School for Girls.....	100	80-160	.....	.....	.....	.....	.....	.....
14	Home Seminary.....	300	60, 80	.....	.....	.....	.....	.....	.....
15	San Rafael Institute.....	250	125	.....	.....	0	0	0	0
16	St. Vincent's School.....	150	20	.....	.....	.....	.....	\$3,395	\$60
17	Young Ladies' Seminary.	1,000	60	0	5,000	0	0	0	0
	COLORADO.								
18	Wolfe Hall.....	2,000	60, 40	1,000	200,000	.....	\$20,000	.....	1,000
	CONNECTICUT.								
19	Golden Hill Seminary.....	1,200	40-100	.....	60,000	.....	.....	.....	.....
20	Hillside Seminary.....	.....	50-100	.....	22,000	.....	.....	.....	.....
21	Miss Burke's Private School.	.....	40	.....	.....	.....	.....	.....	.....
22	Greenwich Institute*....	1,000	40-100	.....	10,000	.....	.....	.....	.....
23	The Elderage School.....	400	40-60	.....	20,000	.....	.....	.....	.....
24	Home and Day School for Young Ladies.	300	40-70	100	35,000	0	0	0	0
25	West End Institute.....	400	60, 45	.....	.....	.....	.....	.....	.....
26	Institute for Young Ladies	.....	30-50	.....	.....	.....	.....	.....	.....
27	St. Margaret's Diocesan School.	600	30-60	700	80,000	\$17,000	700	.....	.....
	DISTRICT OF COLUMBIA.								
28	Academy of the Visitation.	2,000	60-100	500	.....	.....	.....	.....	.....
29	Holy Cross Academy*....	600	.....	400	80,000	.....	.....	.....	.....
30	Norwood Institute.....	1,500	100-120	.....	.....	.....	.....	.....	.....
31	West End Seminary.....	.....	.....	.....	.....	.....	.....	.....	.....
32	"The Cedars".....	500	65	.....	50,000	.....	.....	.....	.....
	FLORIDA.								
33	Daytona Institute.....	200	18-36	15	4,000	.....	.....	.....	.....
	GEORGIA.								
34	Home School for Young Ladies.	500	20-60	.....	.....	.....	.....	.....	.....
35	Atlanta Female Institute.	2,000	5-50	1,000	40,000	.....	.....	.....	.....

\* Statistics of 1887-88.

a Includes board.



TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private schools for girls.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	GEORGIA—continued.								
36	Spelman Seminary .....	1,000	8	\$500	\$80,000	0	0	0	\$7,000
37	Washington Seminary .....		6						
38	Mercer Female Seminary .....	0	30	0	1,000				0
39	Chappell Female College .....	0	\$36-66	300	18,000	0	0	0	0
40	Select School for Young Ladies .....		30						
41	Harwood Seminary .....		40-50	500	17,000			0	
42	Female Seminary* .....		20-40						
43	St. Joseph's Academy .....	300	90	150	4,000				
	ILLINOIS.								
44	Dearborn Seminary .....	1,000	120			0	0	0	0
45	Girls' Higher School .....	1,600	50-160	400		0	0	0	0
46	Grant Collegiate Institute .....	1,000	60-160	500		0		0	175
47	Kirkland School .....	1,000	75	250	26,000				
48	The Loring School .....	300	75-150	200					
49	St. Xavier's Academy .....	3,000	300	500	225,000			0	
50	Monticello Female Seminary .....	4,000	60	1,000	200,000				50,000
51	St. Francis Academy .....	675	15		120,000				
52	St. Joseph's Seminary .....	700	10-30	12	28,300				
53	St. Francis Xavier's Academy .....	80	10-26	1,000	40,000	\$4,000	\$200	0	
54	St. Agatha's School .....	250	60-30	100	20,000	0	0	0	5
55	Institute of Our Lady of the Sacred Heart .....		170		80,000		0	0	0
	INDIANA.								
56	St. Augustine's Academy .....	20	20	75	65,000				
57	Westminster Seminary .....	600	50	100	15,000				
58	Classical School for Girls .....		60-120		15,000				
59	Indianapolis Institute .....	200	60	100	20,000	0	0	0	300
60	St. John's Academy .....	700	150						
61	St. Mary's Academy .....	4,000	220	1,000					
62	St. Mary's Academic Institute .....		180						
	INDIAN TERRITORY.								
63	New Hope Female Seminary .....	250	0		15,000			\$10,000	
64	Cherokee National Female Seminary .....								
65	Wheelock Seminary .....	850			15,000			5,500	
	IOWA.								
66	Young Ladies' School .....		60						
	KENTUCKY.								
67	Alexander Institute .....	1,000	30		10,000	7,000	550	0	4,000
68	Academy of Sisters of Notre Dame .....	1,200	10-20	100	50,000				
69	Miss Gibson's School .....	250	40-100			0	0	0	0
70	Haywood Female Seminary .....		25-35		12,000				
71	Literary and Benevolent Institution .....	5,000	50					0	0
72	East Kentucky Normal School.* .....	600	50	150	25,000			0	0

\* Statistics of 1887-88.

a Includes board.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private schools for girls.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Amount of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	KENTUCKY—continued.								
73	Miss Tipton's Select School.	400	\$40	\$100	\$4,000	0	0	0	0
	LOUISIANA.								
74	Millwood Female Institute.	-----	30	-----	10,000	0	0	0	-----
75	Caruatz Institute	-----	50-120	-----	-----	-----	-----	-----	-----
76	School for Young Ladies.	150	50-100	-----	8,000	-----	-----	-----	-----
77	Southern Academic Institute.	200	45-108	-----	-----	-----	-----	0	0
	MAINE.								
78	Douglass Seminary	-----	a150	-----	-----	-----	-----	0	-----
	MARYLAND.								
79	School for Girls	-----	30, 40, 50	-----	-----	-----	-----	-----	-----
80	Southern Home School	-----	-----	-----	-----	-----	-----	-----	-----
81	Wilford School for Girls	200	50-150	-----	-----	-----	-----	-----	-----
82	St. Edward's Academy*	300	5-50	-----	-----	0	0	0	0
83	Patapsco Female Institute.	-----	500	-----	-----	-----	-----	0	0
84	Notre Dame of Maryland.	4,000	a256	2,000	-----	-----	-----	-----	-----
85	Seminary for Young Ladies.*	1,500	40	450	50,000	-----	-----	-----	-----
86	The Hannah More Academy.	550	40	-----	15,000	\$4,000	\$200	0	\$5,000
87	St. Mary's Seminary	600	20	-----	10,000	-----	-----	\$2,500	-----
88	Rockland School	500	40	300	10,000	-----	-----	-----	-----
	MASSACHUSETTS.								
89	Home School for Girls	1,100	a500	-----	12,000	-----	-----	-----	-----
90	Riverside Home and Day School.	600	100	-----	20,000	-----	-----	-----	-----
91	Academy of Notre Dame.	2,000	48	-----	-----	-----	-----	0	0
92	Academy of the Sacred Heart.	865	100	310	70,000	-----	-----	-----	-----
93	Home and Day School	3,000	150-200	250	17,000	0	0	0	0
94	Home and Day School for Girls.	-----	150-250	-----	40,000	-----	-----	-----	-----
95	Home and Day School for Young Ladies.	-----	200	-----	-----	-----	-----	-----	-----
96	Miss Ireland's School	1,600	250	300	-----	0	0	0	0
97	Sears's School for Girls	700	250-200	200	-----	-----	-----	-----	-----
98	School for Girls	500	250-175	600	-----	-----	-----	-----	-----
99	The Cambridge School	-----	110	-----	30,000	-----	-----	-----	-----
100	Mrs. H. D. Perry's Family School.	-----	a225	-----	-----	-----	-----	-----	-----
101	The Willard Home School	300	60	50	-----	-----	-----	-----	-----
102	Shawmut School	0	70	-----	6,000	-----	-----	-----	-----
103	Northfield Seminary	3,500	21	20,000	200,000	45,000	2,437	0	34,039
104	Home School	-----	75	-----	7,000	0	0	0	-----
105	Prospect Hill School	200	50-75	100	25,000	-----	-----	-----	-----
106	Home and Day School	-----	60-150	100	4,500	-----	-----	-----	-----
107	Lawrence Private School	100	75	-----	-----	-----	-----	-----	-----
108	English and Classical School.	400	150	-----	300	4,000	-----	-----	-----
109	Home School*	-----	25-75	-----	-----	-----	-----	-----	-----
110	The Misses Allen's School.	-----	150-200	-----	-----	-----	-----	-----	-----

\* Statistics of 1887-88.

a Includes board.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION B.—*Private schools for girls.*—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	MASSACHUSETTS—cont'd.								
111	Classical School for Girls.	2,000	\$100	-----	-----	0	-----	0	-----
112	Notre Dame Academy.	-----	60	-----	-----	-----	-----	-----	-----
113	"The Elms" .....	1,500	100	\$500	\$20,000	-----	-----	-----	-----
114	Dana Hall School .....	-----	100	37,000	-----	0	-----	0	0
115	Howard Collegiate Institute.	3,000	120	300	100,000	\$80,000	\$4,100	0	\$15
116	Miss Williams's School*..	300	100-175	-----	-----	-----	-----	-----	-----
	MICHIGAN.								
117	Detroit Seminary .....	-----	40-64	-----	-----	-----	-----	-----	-----
118	St. Mary's Academy.....	350	14	-----	7,000	-----	-----	-----	-----
119	Somerville School .....	521	40	1,200	50,000	-----	-----	-----	-----
	MINNESOTA.								
120	Bethlehem Female Academy.	500	21-30	150	1,700	0	0	0	0
121	Judson Female Institute.	800	72,100	150	-----	-----	0	0	0
122	Notre Dame de Lourdes Academy.	200	150	1,400	50,000	0	0	0	0
	MISSISSIPPI.								
123	Carrollton Female College.	500	40	100	3,000	-----	-----	-----	-----
124	Mt. Hermon Female Seminary.	300	9	-----	20,000	-----	-----	\$390	2,230
125	Fayette Academy .....	100	25-95	-----	5,000	-----	-----	-----	0
126	Warren Female Institute.	-----	50	-----	7,000	-----	-----	-----	-----
127	Winona Female College..	100	100	75	2,000	-----	-----	0	-----
	MISSOURI.								
128	St. Agnes Hall.....	100	25	0	5,000	0	0	0	0
129	Rich Hill Female Seminary.	-----	7-15	-----	-----	-----	-----	-----	-----
130	Sacred Heart Academy..	1,200	150	500	35,000	-----	-----	-----	-----
131	Academy of the Sacred Heart.	-----	60	-----	300,000	-----	-----	-----	-----
132	Young Ladies' Institute..	300	50	-----	25,000	0	0	0	-----
133	Academy of the Sacred Heart.*	5,000	250	-----	400,000	-----	-----	-----	-----
134	School of the Good Shepherd.	1,000	30-130	400	-----	-----	-----	-----	-----
135	Mrs. Miller's Seminary...	400	40	15	10,000	-----	-----	0	0
	NEBRASKA.								
136	Academy of the Sacred Heart.	2,500	100	-----	-----	-----	-----	-----	-----
137	Brownell Hall.....	2,500	70	300	14,700	0	0	0	16,000
138	St. Catherine's Academy.	-----	10-70	400	80,000	-----	-----	-----	-----
	NEVADA.								
139	The Bishop's School for Girls.	800	60,40	300	20,000	-----	-----	-----	-----
	NEW HAMPSHIRE.								
140	St. Mary's School for Girls	400	50,75	-----	20,000	-----	-----	-----	-----
141	Miss Morgan's Home School.	-----	100	-----	-----	-----	-----	-----	-----

\* Statistics of 1887-88.

α Includes board.



TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private schools for girls.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	NEW JERSEY.								
142	Ivy Hall Seminary .....	1,000	\$50	.....	\$12,000	.....	.....	.....	.....
143	Seven Gables Boarding School .....	1,000	500	.....	25,000	.....	.....	.....	.....
144	English and French School .....	.....	48-100	.....	.....	.....	.....	.....	.....
145	Institute of Holy Angels .....	100	a 225	.....	25,000	0	0	0	0
146	Hightstown Seminary .....	200	a 300	\$25	12,000	.....	.....	.....	.....
147	Young Ladies' Institute .....	2,000	.....	.....	.....	.....	.....	.....	.....
148	"The Oaks" .....	2,000	.....	100	.....	.....	.....	.....	.....
149	Fairview Home and Day School .....	.....	60-100	.....	.....	.....	.....	.....	.....
150	School for Young Ladies .....	1,225	120	300	60,000	0	0	0	.....
151	English and French Day School .....	500	50-125	.....	.....	0	.....	.....	.....
152	School for Young Ladies and Children .....	.....	60-100	.....	.....	.....	.....	.....	.....
153	Misses Anable's Seminary .....	600	50, 75	.....	20,000	.....	.....	.....	.....
154	Plainfield Seminary .....	1,000	50-100	300	40,000	0	0	0	.....
155	Rodman Seminary .....	200	40-90	.....	.....	.....	.....	.....	.....
	NEW YORK.								
156	Albany Female Academy .....	3,000	12-40	500	70,000	0	0	0	0
157	Park Place School .....	.....	30	.....	10,000	0	0	0	0
158	Lady Jane Grey School .....	1,000	60	300	0	\$20,000	0	0	0
159	Berkeley Institute .....	.....	40-132	.....	35,000	.....	.....	.....	\$1,500
160	Christiansen Institute .....	.....	9-26	.....	.....	.....	.....	.....	.....
161	Female Institute of the Visitation .....	2,000	40-75	500	.....	0	0	0	0
162	Friends' School .....	.....	60-80	.....	.....	.....	.....	.....	.....
163	Holy Angels Academy .....	1,182	26	600	180,000	.....	.....	.....	.....
164	Sacred Heart High School .....	150	10-25	.....	36,000	0	0	0	0
165	Upham School .....	1,000	50	.....	12,000	.....	.....	.....	.....
166	Drew Seminary and Female College .....	3,000	a 325	350	40,000	0	0	0	.....
167	Cottage Seminary .....	540	26	50	10,500	0	0	0	0
168	Houghton Seminary .....	1,200	a 350	700	43,000	.....	.....	\$267	.....
169	Huntingdon Hall .....	200	50	.....	6,000	.....	.....	0	0
170	Fort Edward Collegiate Institute .....	500	36-50	0	8,000	.....	.....	600	.....
171	The Cathedral School of St. Mary .....	400	60-100	.....	.....	.....	.....	.....	.....
172	The Misses Skinner's School .....	150	24-48	.....	7,000	.....	.....	.....	.....
173	School for Young Ladies .....	500	60, 80, 100	.....	14,000	0	0	0	.....
174	Brighton Heights Seminary .....	1,500	100-150	.....	50,000	.....	.....	0	0
175	Mt. St. Mary's Academy .....	300	28	500	25,000	.....	\$1,000	.....	.....
176	Boarding and Day School .....	300	300	100	.....	.....	.....	.....	.....
177	Brearely School .....	1,000	250, 350	200	.....	1,400	.....	.....	.....
178	Classical School for Girls .....	1,000	75-200	150	.....	0	0	0	0
179	Comstock School .....	625	100-250	.....	.....	.....	.....	.....	.....
180	English and French School .....	.....	100-225	.....	.....	.....	.....	.....	.....
181	English and French School .....	.....	100-250	.....	.....	.....	.....	.....	.....
182	Holy Cross Academy .....	500	.....	175	.....	.....	.....	.....	.....
183	St. John Baptist School .....	500	a 400	.....	.....	.....	.....	.....	.....
184	St. Mary's School .....	2,000	.....	1,000	115,000	.....	.....	0	0
185	Miss Perrin's Girls' School .....	900	75-225	300	.....	.....	.....	.....	.....
186	Van Norman Institute .....	1,200	60-250	.....	.....	.....	.....	.....	.....
187	Mrs. Weil's School .....	1,500	100-200	.....	.....	.....	.....	.....	.....
188	Nyack Seminary .....	.....	a 500	.....	.....	.....	.....	.....	.....
189	St. Gabriel's School .....	1,025	40-75	300	50,000	.....	.....	.....	.....

aIncludes board.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private schools for girls.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	NEW YORK—continued.								
190	Classical and Home Institute.	600	\$24-52	-----	-----	-----	-----	-----	-----
191	Lyndon Hall School.....	-----	40-150	\$250	\$35,000	0	-----	-----	0
192	Livingston Park Seminary	650	50	-----	30,000	-----	-----	-----	-----
193	Rochester Female Academy.	220	40-50	150	7,300	-----	-----	\$40	-----
194	School for Young Ladies.	2,000	60, 80	0	-----	0	0	0	0
195	St. Peter's Academy	350	16	-----	25,000	-----	-----	-----	-----
196	Academy of Sacred Heart of Mary.	-----	α 200	-----	15,000	-----	-----	-----	-----
197	Temple Grove Seminary..	1,500	65	500	80,000	-----	-----	-----	-----
198	Ossining Institute.....	300	325	1,500	20,000	-----	-----	-----	0
199	School for Young Ladies.	1,000	60-100	100	-----	-----	-----	-----	-----
200	Troy Female Seminary...	1,692	56, 80	1,878	100,000	-----	-----	200	-----
201	Mrs. Piatt's School	7,000	42-84	500	80,000	-----	-----	0	0
202	English, French, and German Day School.	1,500	100	-----	15,000	-----	-----	-----	-----
203	School for Young Ladies and Children.*	200	90	-----	20,000	-----	-----	-----	-----
	NORTH CAROLINA.								
204	Scotia Seminary.....	1,200	-----	125	30,000	\$2,000	\$120	-----	\$9,500
205	Henderson Female College.*	200	30	-----	10,000	-----	-----	-----	-----
206	Littleton Female College.	200	36-100	-----	8,000	-----	-----	-----	-----
207	Female Seminary.....	200	15-40	-----	4,000	0	0	0	0
	OHIO.								
208	Eden Park School.....	600	160	400	30,000	-----	-----	-----	0
209	School for Girls.....	4,000	95-155	-----	60,000	-----	-----	-----	-----
210	Young Ladies' Institute..	-----	-----	-----	-----	-----	-----	-----	-----
211	Boarding and Day School for Girls.	550	60-150	100	-----	-----	-----	-----	-----
212	School for Girls.....	2,000	60-150	500	100,000	-----	-----	-----	-----
213	English and Classical School.	-----	50-100	-----	-----	-----	-----	-----	-----
214	Harcourt Place Seminary.	50	100	25	50,000	0	0	0	0
215	St. Mary's Institute.....	200	90	1,000	28,000	-----	-----	-----	-----
216	Ursuline Academy.....	3,000	α 200	1,200	-----	-----	-----	-----	-----
217	Steubenville Female Academy.	6,000	30	1,000	50,000	0	-----	0	-----
218	College of Ursuline Sisters.	800	20	600	-----	-----	-----	-----	-----
219	Putnam Seminary.....	9,000	38, 50	-----	20,000	0	-----	-----	-----
	OREGON.								
220	St. Francis Academy.....	500	20-40	150	4,000	-----	-----	-----	50
	PENNSYLVANIA.								
221	School for Girls.....	-----	-----	-----	-----	-----	-----	-----	-----
222	St. Xavier's Academy....	1,000	208	-----	-----	-----	-----	-----	-----
223	Beaver College and Musical Institute.	1,200	40	800	40,000	-----	-----	-----	-----
224	Longview School for Girls	-----	40-60	-----	80,000	-----	-----	0	-----
225	St. Benedict's Academy...	400	10, 18, 24	-----	-----	-----	-----	-----	-----
226	Greensburg Seminary....	-----	40	50	19,000	0	0	0	0
227	Misses Tomkinson's School.	250	40-160	250	-----	-----	-----	-----	-----
228	Linden Hall Seminary...	3,700	α 250	400	60,000	-----	-----	-----	-----

\* Statistics of 1887-88.

α Includes board.

TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION B.—*Private schools for girls.*—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	PENNSYLVANIA—cont'd.								
229	Mt. St. Aloysius Academy	1,000							
230	St. Joseph's Academy	300	\$150		\$30,000				
231	Agnes Irwin's School	1,000	100-170						
232	Boarding and Day School		50-110	\$50					
233	Day School for Girls		145-175	100				0	
234	English, French, and Music School		50-150						
235	French and English Home School	600	300		15,000				
236	Home School for Girls	1,200	40-100						
237	do.		80-100						
238	Mr. St. Joseph Academy	3,000	200		100,000			0	0
239	School for Young Ladies								
240	Wellesley School		60-80						
241	West Green Street Institute		50-125						
242	West Walnut Street Seminary	1,000	75-125	700	40,000			0	0
243	The Bishopthorpe School	963	75	75					
244	Darlington Seminary	800	40	600	25,000	\$500			
245	Ladies' Classical Institute		42		9,000				
	RHODE ISLAND.								
246	Academy of the Sacred Heart	1,000							
247	School for Young Ladies*	400	75-130	200					
	SOUTH CAROLINA.								
248	Reidsville Female College	200	20-40	500	15,000	0	0	0	0
249	Sumter Female Institute*		10-50		10,000			0	0
	TENNESSEE.								
250	Sullin's College	600	10-20	150	30,000	\$1,200	72		
251	Clarksville Female Academy		75		20,000				
252	Tipton Female Seminary	100	24-36		4,000			\$420	
253	Howard Female College	400	20-50	100	18,000				
254	St. Mary's School		40-80		40,000				
	TEXAS.								
255	Hood Seminary	200	50		16,000				0
256	Carlton College	200	36	200	10,000	0	0	0	0
257	Masonic Female Institute	500	20-40	100	10,000			500	
258	Ursuline Academy	200	24	150	6,000				
259	do.	500							
260	Montgomery Institute	600	11-36		7,000				\$900
261	Sherman Institute	500	40	500	20,000				
262	Nazareth Academy	600	10-30						
	UTAH.								
263	Rowland Hall		32-69		12,000			0	
264	St. Mary's Academy	3,000	30-60	300		0	0	0	0
	VERMONT.								
265	St. Agnes Hall	500	300						
266	The Bishop Hopkins Hall	5,000	75		250,000	32,000	1,600	0	1,200

\* Statistics of 1887-88.

α Includes board.



TABLE 6.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION B.—Private schools for girls.—PART II—Continued.

	Name.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive fund.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	14	15	16	17	18	19	20	21
	VIRGINIA.								
267	Clarens School.....	125	\$25-50	0	\$7,000	0	0	0	0
268	St. Mary's Academy.....	200		\$75				0	
269	Bruington Female Institute.		30-80		5,000				
270	Piedmont Female Institute.	1,000	45		10,000				
271	Mt. Pisgah Academy.....	170	120		8,000			0	0
272	Edgehill School.....	3,000	a250	0	10,000	0	0	0	
273	Von Bora College.....		12-40	100	500				
274	Lynchburg Female Academy.		15-70						
275	Hartshorn Memorial College.		8	800	40,000	0			\$2,699
276	Suffolk Female Institute.		16-30						
277	Valley Seminary.....	100	20-45		7,500	0	0	0	0
278	West Point Female Seminary.		40-45		4,000				
279	Trinity Hall Female College.	800	75		7,000				
280	Wytheville Seminary.....		20-40						
	WASHINGTON.								
281	Academy of the Holy Names.	1,200	40	125	100,000			0	0
282	Annie Wright Seminary	900	30-60	300	75,000	\$50,000	\$3,000		
283	St. Paul's School.....	500	50	100	10,000				
	WEST VIRGINIA.								
284	Academy of the Visitation	500	a 200	500					
285	Seguin Collegiate Institute.								
	WISCONSIN.								
286	Kemper Hall.....		50, 60						
287	St. Regina Academy.....	200	160		50,000				
288	St. Mary's Day and High School.*								
289	St. Mary's Institute*....		a150						
290	St. Catharine's Academy	2,350	140		40,000				

\* Statistics of 1887-88.

a Includes board.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1883-89.

## DIVISION C.—Private schools for both sexes.—PART I.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course or for scientific course in college or scientific school.	Has the school a gymna- sium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALABAMA.														
1 Andrews Institute .....	Andrews Institute .....	F. M. Morgan .....	1876	1874	M. E. ....	1	...	1	33	32	65	...	No.	No.
2 Ashland .....	Ashland High School .....	J. H. Riddle, cit. b. ....	1878	1878	Non-sect. ....	3	2	5	115	126	241	81	No.	No.
3 Athens (box 90) .....	Trinity School .....	Miss M. F. Wells .....	1865	1865	Cong. ....	5	5	10	...	...	186	11	No.	(a)
4 Centreville .....	Centreville College .....	J. D. Cooper .....	1885	1885	...	1	3	4	44	33	77	...	No.	No.
5 Clanton .....	Clanton High School .....	A. J. Scott .....	1887	1879	Non-sect. ....	3	2	5	96	79	175	63	No.	No.
6 Collinsville .....	Collinsville High School .....	A. W. Tate .....	1887	1887	Non-sect. ....	2	1	3	40	40	80	10	No.	No.
7 Dadeville .....	Dadeville High School .....	W. A. Vogely, B. A. ....	1870	1887	Non-sect. ....	1	4	5	98	84	182	35	No.	No.
8 Fort Deposit .....	Fort Deposit High School .....	T. J. Thredgill .....	1870	1870	Non-sect. ....	2	1	3	45	40	85	8	No.	No.
9 Furman .....	Furman Academy .....	Francis Gordon Caffey, A. M. ....	1840	1871	Non-sect. ....	1	3	4	36	34	70	...	No.	Yes
10 Gaylesville .....	Gaylesville High School .....	S. L. Russell .....	1875	1871	Non-sect. ....	3	3	6	65	50	115	13	No.	No.
11 Jasper .....	Jasper Male and Female Academy .....	E. H. Foster .....	1886	1886	Non-sect. ....	1	3	4	90	81	171	19	No.	No.
12 Laneville .....	Laneville Institute .....	Geo. W. Stevens .....	1869	1869	Non-sect. ....	1	3	4	103	129	232	...	No.	No.
13 Mobile .....	German Evangelical Lutheran Con. regational School .....	Wm. Wembach .....	1871	1871	Ger. Ev. ....	1	...	1	15	20	35	...	No.	No.
14 Opelika .....	Opelika Seminary .....	Rev. D. M. Banks .....	1884	1881	Luth. ....	2	12	14	61	87	148	57	No.	No.
15 Perdue Hill .....	Perdue Hill High School .....	C. H. Flory .....	1886	1886	Non-sect. ....	1	1	2	31	33	64	7	No.	No.
16 Prattville .....	Prattville Male and Female Academy .....	E. Y. McMorris .....	1859	1859	Non-sect. ....	1	4	5	135	138	293	22	Yes	No.
17 Six Mile .....	Male and Female Academy .....	R. H. Pratt .....	1859	1858	Non-sect. ....	2	2	4	74	67	141	14	Yes	No.
18 Springville .....	Springville Institute .....	M. M. Russell .....	1887	1887	Non-sect. ....	1	2	3	...	...	150	...	No.	No.

<sup>a</sup> Calisthenics.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION C.—*Private schools for both sexes.*—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college or scientific course or for classical course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALABAMA—continued.														
19 Talladega .....	Talladega College .....	Rev. H. S. De Forest, D. D., president.	1869	1869	Cong. ....	7	11	18	211	216	427	14	No.	No.
20 Wetumpka .....	Wetumpka High School .....	J. A. Liner .....	.....	.....	Non-sect. ....	1	1	2	36	26	42	9	No.	No.
ARKANSAS.														
21 Altus .....	Hondrix College .....	Rev. A. C. Millar, A. M., president.	1876	1876	M. E. So. ....	4	2	6	105	43	148	40	No.	No.
22 Arkadelphia .....	Onachita Baptist College .....	J. W. Conger .....	1887	1886	Baptist .....	3	9	12	139	123	262	25	No.	Yes.
23 Warren Fork .....	Mr. Pleasant Academy .....	I. K. Hooper .....	.....	.....	M. E. So. ....	2	1	3	81	70	151	.....	No.	No.
24 Booneville .....	Fort Smith District High School .....	R. W. Douthett .....	.....	.....	M. E. So. ....	2	1	3	95	115	210	.....	No.	No.
25 Center Ridge .....	Center Ridge Christian College .....	Wm. Moseley, president.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	No.	No.
26 Clinton .....	Male and Female Academy .....	G. B. Holze .....	1878	1878	Non-sect. ....	2	2	4	43	37	80	.....	No.	No.
27 Evening Shade .....	Evening Shade High School .....	P. H. Wilkerson, county examiner.	1883	1883	.....	1	1	2	.....	.....	95	.....	No.	No.
28 Marianna .....	Male and Female Institute .....	T. A. Puttrall, A. M. ....	1875	1870	Non-sect. ....	2	2	4	135	75	210	76	No.	No.
29 Prairie Grove .....	Prairie Grove Institute .....	R. M. Carrington .....	1883	1883	M. E. So. ....	1	2	3	65	55	120	.....	No.	No.
30 Quitman .....	Quitman College .....	Rev. O. H. Tucker, A. M. ....	1871	1871	M. E. So. ....	1	3	4	86	108	194	.....	No.	No.
31 Rogers .....	Rogers Academy .....	Rev. J. W. Scroggs .....	1883	1884	Cong. ....	2	3	5	87	94	181	23	No.	No.
32 Searcy .....	Searcy College .....	W. H. Tharp .....	1888	1883	Non-sect. ....	4	8	12	90	114	204	.....	No.	Yes.



CALIFORNIA.												
33	Hendalburgh College	1882	1882	W. C. Grainger, president	7	5	12	101	122	223	Yea	No.
34	Washington College	1871	1872	J. Durham, president	3	3	6	80	60	140	Yea	No.
35	Lakeport Academy	1884	1884	W. M. Doyall	4	1	1	2	35	40	5	No.
36	Livermore College	1875	1875	William Shelton, A. M., LL. D.	1	2	3	27	17	34	No.	No.
37	Shelton College of Liberal Arts	1888	1888	Sisters of Mercy	0	5	5	32	122	134	Yea	No.
38	Academy of Our Lady of Lourdes	1881	1877	R. C. Thidall	1	5	6	40	100	1	No.	No.
39	Placerville Academy	1881	1881	Non-sect.	4	4	4	30	40	70	3	No.
40	Howe's High School	1873	1873	Edward P. Howe	4	4	4	30	40	70	3	No.
41	San Bernardino	1883	1883	Dr. B. Sturges	2	1	3	62	22	84	19	No.
42	College of Notre Dame	1876	1866	Sisters of Notre Dame	19	19	25	550	575	17	Yea	No.
43	San Francisco (129 Haight st.)	1859	1859	Rev. James Matthews, D. D.	1	3	4	17	19	36	Yea	No.
COLORADO.												
44	Salida	1884	1884	Presb.	1	1	1	16	20	36	5	No.
45	South Pueblo	1888	1888	M. E. So	2	3	5	30	18	48	7	No.
46	Trinidad	1879	1880	Cong	2	4	6	60	70	130	9	No.
CONNECTICUT.												
47	Baltic	1875	1875	Sister M. Frances	7	7	7	50	100	150	20	No.
48	Colchester	1801	1803	Non-sect.	1	1	2	19	22	41	4	No.
49	Corwall	1848	1848	Non-sect.	1	3	4	20	40	60	25	Yea
50	Darien	1865	1865	Non-sect.	3	4	7	40	37	77	9	No.
51	Glastonbury	1868	1868	Non-sect.	2	1	3	29	11	40	4	No.
52	Mystic Bridge	1880	1868	Non sect.	4	2	6	50	15	65	8	Yea
53	New Canaan	1873	1873	Non-sect.	1	2	3	12	28	40	5	No.
54	Norfolk	1884	1884	Cong	2	1	3	19	6	25	12	No.
55	Norwich	1856	1856	Non-sect.	6	3	9	127	129	256	15	Yea
56	Simsbury	1870	1870	Non-sect.	2	6	8	20	59	79	8	No.
57	Southport	1866	1866	Non-sect.	3	4	7	35	38	43	4	No.
58	Southfield	1883	1883	Baptist	4	5	9	65	60	125	Yea	No.
59	Wilton	1817	1817	Cong	1	1	17	3	20	6	No.	No.
60	Woodbury	1801	1801	Non-sect.	1	1	2	45	22	67	5	No.
61	Woodstock	1891	1891	Non-sect.	1	1	2	30	16	46	6	No.
DAKOTA.												
62	Arvilla (North Dakota).	1886	1886	Presb.	2	4	6	17	37	54	12	No.
63	Canton (South Dakota).	1887	1884	Luth.	3	1	4	51	28	79	32	No.
64	Grand Forks	1885	1882	R. C.	12	12	109	158	267	267	No.	No.
65	Groton	1885	1885	Presb.	4	1	5	.....	.....	58	No.	No.

α Gymnastic drill obligatory.

a Gymnastic drill obligatory.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes. —PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college or scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DAKOTA—continued.														
66 Jamestown.....	Jamestown College.....	James Rogers.....	1883.....	1886.....	Presb.....	3.....	1.....	4.....	30.....	27.....	57.....	10.....	No..	No..
67 Redfield.....	Redfield College.....	Rev. David Beaton, president.....	1887.....	1887.....	Cong.....	4.....	2.....	6.....	43.....	51.....	94.....	20.....	No..	No..
68 Scotland (South Dakota).	Scotland Academy.....	Geo. S. Fisher, Pr. B.....	.....	1876.....	Presb.....	1.....	2.....	3.....	43.....	40.....	83.....	5.....	No..	No..
69 Sioux Falls (South Dakota).	All Saints' School.....	Miss Helen S. Peabody.....	.....	1886.....	P. E.....	2.....	7.....	9.....	12.....	66.....	78.....	1.....	.....	No..
70 "do.....	University of Sioux Falls.....	F. J. Walsh, A. B.....	1884.....	1883.....	Baptist.....	4.....	3.....	7.....	78.....	49.....	127.....	58.....	No..	No..
DELAWARE.														
71 Dover.....	Wilmington Conference Academy.....	W. L. Gooding, A. M.....	1873.....	1873.....	Meth.....	4.....	4.....	8.....	91.....	71.....	162.....	14.....	No..	No..
72 Milford.....	Milford Classical School.....	Alfred C. Arnold.....	1846.....	1884.....	Non-sect.....	1.....	3.....	4.....	20.....	25.....	45.....	8.....	Yes.	No..
73 Newark.....	Academy of Newark.....	A. N. Raub, Pr. B.....	1769.....	1768.....	Non-sect.....	2.....	3.....	5.....	64.....	57.....	121.....	14.....	Yes.	Yes.
74 Wilmington (4th and West etc.).	Friends' School.....	Isaac T. Johnson, A. M.....	.....	1718.....	Friends.....	4.....	6.....	10.....	109.....	72.....	181.....	12.....	Yes.	No..
DISTRICT OF COLUMBIA.														
75 Washington (1811 Ist. N.W.).	Friends' Select School.....	Thos. W. Sidwell.....	.....	1883.....	Friends.....	3.....	7.....	10.....	103.....	50.....	153.....	14.....	No..	No..
76 Washington (601 East Capitol st.).	St. Cecilia's Academy.....	Sister M. Aquina.....	1878.....	1868.....	R. C.....	1.....	8.....	9.....	35.....	112.....	147.....	.....	.....	.....

No.	Locality	Superintendent	1853	Non-sect.	5	1	6	46	20	68	Yea.	No.
77	FLORIDA.	East Florida Seminary	Edwin P. Cater, superintendent.	1853	1873	1872	1873	1872	1873	1872	1873	1872
78	Jacksonville	Cookman Institute	Rev. Samuel B. Darnell, B. D.	1853	1873	1872	1873	1872	1873	1872	1873	1872
79	Key West	Convent of Mary Immaculate	Sister M. Delphine, superior.	1853	1873	1872	1873	1872	1873	1872	1873	1872
80	Live Oak	Florida Institute	J. L. A. Fish	1853	1873	1872	1873	1872	1873	1872	1873	1872
81	Tallahassee	Seminary West of the Suwannee River.	Geo. M. Edgar, LL. D., president.	1853	1873	1872	1873	1872	1873	1872	1873	1872
82	GEORGIA.	Aacworth	Miss Marlon Buford, A. M.	1853	1873	1872	1873	1872	1873	1872	1873	1872
83	Atlanta	West End Academy*	W. J. Lumbin	1853	1873	1872	1873	1872	1873	1872	1873	1872
84	Atlanta	Atlanpaleus	S. J. Chesnut	1853	1873	1872	1873	1872	1873	1872	1873	1872
85	Augusta	Sacred Heart Academy	Sister M. Genevieve	1853	1873	1872	1873	1872	1873	1872	1873	1872
86	Baldstown	Baldstown Academy	W. B. Crawford	1853	1873	1872	1873	1872	1873	1872	1873	1872
87	Bluffton	Bluffton High School	J. N. Rogers	1853	1873	1872	1873	1872	1873	1872	1873	1872
88	Boston	Boston Institute	Wm. B. Fambrough, A. M.	1853	1873	1872	1873	1872	1873	1872	1873	1872
89	Byron	Byron High School	E. H. Ezell	1853	1873	1872	1873	1872	1873	1872	1873	1872
90	Cartersville	West End Institute	Mrs. James W. Harris	1853	1873	1872	1873	1872	1873	1872	1873	1872
91	Cave Spring	Hearn Institute	E. T. Whitley, A. M.	1853	1873	1872	1873	1872	1873	1872	1873	1872
92	Cedar Grove	St. Mary's Institute	J. G. Wood	1853	1873	1872	1873	1872	1873	1872	1873	1872
93	Chattanooga	Walnut Grove Male and Female School.	W. B. Drew	1853	1873	1872	1873	1872	1873	1872	1873	1872
94	Cochran	Ebenezer College	Palmon J. King	1853	1873	1872	1873	1872	1873	1872	1873	1872
95	Columbus	Wynnton College	W. E. Mengley	1853	1873	1872	1873	1872	1873	1872	1873	1872
96	Crawford	Crawford Academy	A. S. Rhodes	1853	1873	1872	1873	1872	1873	1872	1873	1872
97	Dawson	South Georgia Male and Female College.*	Morgan L. Parker, A. B.	1853	1873	1872	1873	1872	1873	1872	1873	1872
98	Eastman	Eastman Academy	R. J. Strozier	1853	1873	1872	1873	1872	1873	1872	1873	1872
99	Fatoun	Male and Female Academy	E. C. Ravenscroft	1853	1873	1872	1873	1872	1873	1872	1873	1872
100	Ellijay	Ellijay Academy	Rev. W. D. Allen	1853	1873	1872	1873	1872	1873	1872	1873	1872
101	Fort Valley	Male and Female Institute	W. B. Griffin	1853	1873	1872	1873	1872	1873	1872	1873	1872
102	Garden Valley	Oak Grove Academy	F. O. Manchar	1853	1873	1872	1873	1872	1873	1872	1873	1872
103	Greshamville	Greshamville Academy	J. H. Yarbrough	1853	1873	1872	1873	1872	1873	1872	1873	1872
104	Hartem	Hartem High School	J. L. Caldwell	1853	1873	1872	1873	1872	1873	1872	1873	1872
105	Hartwell	Hartwell High School	M. S. Strubling, A. M.	1853	1873	1872	1873	1872	1873	1872	1873	1872
106	Hollonville	Planers High School	J. B. Matthews	1853	1873	1872	1873	1872	1873	1872	1873	1872
107	Hoschton	Hoschton High School	J. A. Moss	1853	1873	1872	1873	1872	1873	1872	1873	1872
108	Irwinton	Talmage Institute	J. W. Overstreet	1853	1873	1872	1873	1872	1873	1872	1873	1872
109	Lawrenceville	Lawrenceville Seminary	J. C. Bass	1853	1873	1872	1873	1872	1873	1872	1873	1872
110	Lexington	Meson Academy	Thos. B. Moss	1853	1873	1872	1873	1872	1873	1872	1873	1872
111	Lost Mountain	Lost Mountain Academy	Walter McBreath	1853	1873	1872	1873	1872	1873	1872	1873	1872
112	Madison	Male and Female Institute	E. C. Merry, A. B.	1853	1873	1872	1873	1872	1873	1872	1873	1872
113	Marshallville	Marshallville High School	J. W. Frederick	1853	1873	1872	1873	1872	1873	1872	1873	1872
114	Monticello	Monticello High School	W. T. Dumas	1853	1873	1872	1873	1872	1873	1872	1873	1872
115	Norcross	Norcross High School	N. F. Cooleage	1853	1873	1872	1873	1872	1873	1872	1873	1872
116	Palmetto	Palmetto High School	T. H. Meacham	1853	1873	1872	1873	1872	1873	1872	1873	1872
117	Perry	Houston Male and Female High School.	W. B. Drew	1853	1873	1872	1873	1872	1873	1872	1873	1872

a Calisthenics.

\* Statistics of 1887-88.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89.—Continued.  
DIVISION C.—Private schools for both sexes—PART I.—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Has the school a gymnasium?	Is military drill employed?	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
GEORGIA—continued.														
118	Powder Springs	F. M. Duncan.	.....	1850	Non-sect..	1	2	3	33	30	63	25	No..	No.
119	Powelson	S. N. Chapman.	.....	.....	Non-sect..	1	1	2	27	25	52	.....	No..	No.
120	Putnam	Glenn Holly Academy	.....	1879	Non-sect..	1	1	2	34	18	52	2	No..	No.
121	Quitman	Home W. Night.	1867	1867	Non-sect..	2	1	3	40	40	80	.....	No..	No.
122	Reynolds	C. E. McLaughlin.	1883	1883	Non-sect..	1	1	2	30	35	65	2	No..	No.
123	Ringgold	J. J. Woods.	.....	1876	Non-sect..	1	2	3	75	80	155	3	No..	No.
124	Rutledge	A. J. Burress	1862	1862	Non-sect..	1	1	2	60	55	115	6	No..	No.
125	Seneca	P. D. Pollock	.....	1882	Non-sect..	1	3	4	63	75	138	9	No..	No.
126	Shady Dale	T. J. Walker	1840	1872	Non-sect..	1	1	2	34	36	70	17	No..	No.
127	Sharon	A. B. Jarrell	.....	1840	Non-sect..	1	1	2	30	34	64	18	No..	No.
128	Sharpsburgh	Sharpsburgh Academy	.....	1879	Non-sect..	1	1	2	32	27	59	.....	No..	No.
129	Smyrna	V. A. Ham.	.....	.....	Baptist	1	1	2	17	48	65	.....	No..	No.
130	Snow	T. D. Power.	.....	.....	.....	1	1	2	47	63	110	4	No..	No.
131	Sparta	J. B. Wight	.....	1881	Meth.	1	1	2	20	13	33	8	No..	No.
132	Stellaville	Chas. E. Little.	1832	1834	Non-sect..	1	1	2	58	40	98	7	No..	No.
133	Stone Mountain	J. C. Welsh, B. S.	.....	1867	Baptist	1	1	2	82	72	154	60	No..	No.
134	Sumach	Gaines Veal, secretary	1876	1874	Non-sect..	2	2	4	100	50	150	18	No..	No.
135	Temple	C. H. Humphreys.	1878	1869	Non-sect..	1	1	2	87	47	134	.....	No..	No.
136	Tennille	E. L. Connell	.....	1882	Non-sect..	1	1	2	58	71	129	.....	No..	No.
137	Thomaston	J. D. Garner, A. B.	.....	1875	Non-sect..	1	3	4	89	117	206	.....	No..	No.
138	Thomson	G. F. Oliphant	1875	1887	Non-sect..	3	3	6	31	25	56	35	No..	No.
139	Turin	N. E. Ware	.....	1881	Non-sect..	1	1	2	37	23	60	19	No..	No.
		L. J. Cheely, A. M.	.....	.....	Non-sect..	1	2	3	.....	.....	.....	.....	No..	No.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION C.—Private schools for both sexes—PART I.—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.			Physical culture.		
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college or scientific course, or for classical course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
INDIAN TERRITORY.														
177	Bacone .....	A. C. Pacome, A. M., president.	1881	1880	Bapt. ....	2	5	7	73	48	121	.....	No.	No.
178	Muscogee .....	Theo. F. Brewer .....	.....	.....	M. E. So. ....	1	6	7	33	102	135	.....	No.	No.
179	Vinita .....	John McCarthy .....	.....	1882	Non-sect. ....	2	6	8	80	82	162	4	No.	No.
IOWA.														
180	Ackworth .....	W. G. Stanley, superintendent	1868	1870	Friends .....	1	1	2	41	39	80	11	.....	No.
181	Albion .....	Edwin Dukes .....	1874	1874	M. E. ....	2	3	5	55	63	123	29	No.	No.
182	Birmingham .....	J. Wesley Wolf .....	1879	1861	Non-sect. ....	1	1	2	21	19	40	16	No.	Yes.
183	Bloomfield .....	R. S. Galer, B. P. H. ....	1884	1878	Evangel. ....	2	2	4	52	36	88	.....	No.	No.
184	Burlington .....	F. Glasse .....	1843	1843	Ger. Ev. ....	2	2	4	25	25	50	.....	No.	No.
185	do .....	F. G. Klein .....	1864	1864	.....	1	1	2	256	145	401	1	No.	No.
186	Decorah .....	J. Breckinridge .....	1874	1874	.....	3	2	5	41	42	83	8	No.	No.
187	Denmark .....	Alfred S. Johnson, M. A., P. H. D.	.....	1843	Conf. ....	1	3	4	68	94	152	15	No.	Yes.
188	Hull .....	Rev. J. B. Chase, A. B. ....	1884	1884	Conf. ....	2	5	7	175	135	310	.....	No.	Yes.
189	Iowa City .....	Robert H. Tripp, A. M. ....	1880	1880	Non-sect. ....	4	6	10	38	49	87	23	No.	No.
190	Jefferson .....	Rev. J. S. Dunning, A. M. ....	1875	1875	Non-sect. ....	4	2	6	38	49	87	.....	No.	No.
191	Knoxville .....	W. A. McKee .....	1873	1873	Non-sect. ....	1	1	2	9	37	46	1	No.	No.
192	Le Grand .....	L. E. Kenworthy, A. B. ....	1876	1876	Friends .....	1	1	2	30	24	54	.....	No.	No.
193	New Providence .....	C. L. Michener, A. M. ....	1869	1869	Friends .....	1	2	3	64	48	112	21	No.	No.
194	Newton .....	G. W. Wormley .....	1856	1856	Non-sect. ....	2	2	4	72	111	183	.....	No.	No.
195	New Vienna .....	B. W. Schulte .....	1875	1875	I. C. ....	1	3	4	100	140	240	.....	No.	No.
196	Orange City .....	A. Buursma, acting principal.	1882	1883	Reformed .....	2	2	4	49	31	80	47	No.	No.



197	Osgood	Cedar Valley Seminary	Alonso Abernethy, p. d.	1867	1863	Bapt.	4	3	7	117	86	293	No.	No.
198	St. Ansgar	St. Ansgar Academy	H. S. Hong	1878	1878	Lutheran	2	2	2	23	17	40	Yes	No.
199	Salem	Whittier College	V. W. Macy	1868	1868	Friends	2	1	3	3	111	111	Yes	No.
200	Vinton	Tillott College Institute	T. F. Tobue	1871	1871	Non-sect.	3	2	5	169	140	369	104	No.
201	Washington	Washington Academy	S. E. McKee, A. M.	1872	1874	Non-sect.	2	1	3	62	60	122	31	No.
202	Wilton Junction	Norton Normal and Scientific Academy.	A. L. Brower, B. S.	1884	1866	Non-sect.	5	1	6	100	80	180	20	No.
KANSAS.														
203	Enterprise	Harrison Normal College	C. L. Shaver, president	1888	1888	Non-sect.	4	3	7	52	48	100	44	No.
204	Eureka	Southern Kansas Academy	Rev. Arthur T. Burnell, A. M., p. d.	1885	1886	Cong.	2	5	7	57	64	121	38	No.
205	Lincoln	Kansas Christian College	Thomas Bartlett, A. M., president.	1884	1884	Christian	3	1	4	31	38	69	4	No.
206	Tonganoxie	Friends' Academy	H. C. Fellon	1885	1884	Friends	1	1	2	33	40	73	No.	No.
207	Wichita	Lewis Academy	J. M. Naylor, A. M.	1884	1886	P. E. S. B.	2	6	8	112	163	275	71	No.
208	Winfield	Southwest Kansas College.	John E. Earp, president	1885	1886	M. E.	5	1	6	50	55	105	50	No.
KENTUCKY.														
209	Bardonia	Male and Female Institute.	H. J. Greenwall, A. M., president.	1885	1885	Bapt.	3	4	7	54	28	82	35	Yes.
210	Buffalo	East Lynn College.	H. A. Beauchamp	1879	1875		2	1	3	100	50	150	No.	No.
211	Fredonia	Fredonia Seminary	T. J. Clurey	1880	1880	C. P. Presb.	1	1	2	47	46	93	3	No.
212	Fulton	The Welch High School	Mrs. S. H. Welch	1877	1868	Non-sect.	1	3	4	72	69	141	No.	No.
213	Henderson	Henderson High School	Ruth Priest				1	3	4	40	42	82	No.	No.
214	Hiseville	Hiseville Institute	Powell Black	1877	1877	Non-sect.	1	2	3				Yes.	No.
215	Jackson	Jackson Academy	John Jay Dickey	1884	1883	Non-sect.	2	1	3	70	45	115	No.	No.
216	La Fayette	La Fayette High School	S. L. Frogge, A. M.	1860	1860	Non-sect.	1	3	4	46	26	71	32	No.
217	Leitchfield	Grayson Seminary	W. P. Arnold	1869	1869	Non-sect.	2	1	3	70	30	100	No.	No.
218	Louisville	Presentation Academy	Sister Sophia	1827	1827	R. C.	7	7	7	20	80	100	52	No.
219	Olmstead	Browder Institute	James C. Vock	1868	1868	Non-sect.	1	2	3	33	31	64	28	No.
220	Princeton	Princeton College Institute	Rev. Herman H. Allen, D. D.	1882	1880	Presb.	2	6	8	44	64	108	1	No.
221	Russellville	Miss Sevier's College	Miss Elizabeth Sevier	1864	1864	P. E.	1	5	6	11	18	29	1	No.
222	Sharpsburgh	Sharpsburgh Male and Female College.		1849		Non-sect.	1					136		No.
223	South Carrollton	West Kentucky Classical and Normal College.	J. R. Barned, secretary	1872	1870	Non-sect.	7	6	13	107	94	201	74	No.
224	Versailles	Rose Hill Seminary	Mrs. Gillie B. Crenshaw	1882	1875	Christian	1	8	9	23	60	83	18	(a)
225	Wallonia	Wallonia Institute	George D. Price	1837	1847	Non-sect.	1	2	3	41	29	73	29	No.
226	Winchester	Winchester Collegiate Academy	Rev. Wm. Stewart, M. A., D. D.	1877	1872	Non-sect.	2	3	5	31	32	123	32	No.
227	Wingo	Wingo College	A. M. Kirkland	1884	1884	Baptist	1	2	3					No.
LOUISIANA.														
228	Aracata	Male and Female College.	J. W. Beeson	1866	1866	Non-sect.	2	6	8	75	125	200	27	Yes.
229	Baton Rouge	St. Mary's School	Miss L. F. Smith	1889	1888	P. E.	5	5	5	5	56	61	No.	No.
230	Coushatta	do	C. L. Davis, A. M., president	1887	1887		1	4	5	87	88	175	45	Yes.
231	Mount Lebanon	Mount Lebanon College.	Rev. G. W. Griffin, D. D.	1853	1853	Baptist	7	7	14				(a)	Yes.

\* Statistics of 1887-88.

a Calisthenics.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION C.—*Private schools for both sexes.*—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.		Students.				Physical culture.		
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific course in college or scientific school.	Has the school a gymna- sium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LOUISIANA—cont'd.														
232	New Orleans (185 N. Rampart st.).	Columbian Institute				2	9	11			70	20	No.	No.
233	New Orleans (seventh district).	German Evangelical Protestant School.	1871	1871	Ev. Prot.	2		2	50	41	91		No.	No.
234	New Orleans (372 Esplanade st.).	Picard Institute		1880	R. C.	2	14	16	30	80	110	10	(a)	No.
235	Winsted	Gilbert Academy.		1881	M. E.	6	6	12	149	150	299		No.	No.
MAINE.														
236	Bethel	Gould Academy.	1836	1830	Cong.	2	1	3	58	56	114	8	No.	No.
237	Bucksport	East Maine Conference Academy.	1850	1851	M. E.	5	4	9	160	123	283	30	No.	Yes.
238	Corinna	Union Academy.			Non-sect.	1	1	2	34	38	72	12	No.	No.
239	Cumberland Centre.	Fairfield & Whitney	1859	1857		2	1	3	41	40	81	5	No.	No.
240	Freedom	Freedom Academy.	1836	1838		1	2	3	30	28	58		No.	No.
241	Fryeburgh	Fryeburgh Academy.		1793	Cong.	2	4	6	60	40	100	18	No.	No.
242	Gardiner	Gardiner High School.	1886			1	2	3	45	54	99	3	No.	No.
243	Gray	Pennell Institute.	1886	1846	Non-sect.	1	3	4	45	55	100	13	No.	No.
244	Hampden	Hampden Academy.	1893	1895	Non-sect.	2	2	4	160	149	309	19	No.	No.
245	Houlton	Ricker Classical Institute.	1847	1847	Baptist	2	4	6	73	86	164	21	No.	No.
246	Linington	Linington Academy.	1848	1851	Non-sect.	1	1	2	57	40	97	34		No.
247	New Castle.	Henry K. White, A. M.	1801	1804	Non-sect.	1	3	4	74	70	144	52		No.
248	Norridgewock	English and Classical Institute.	1865	1865	Non-sect.	2	2	4	70	40	110	20	No.	No.





TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89.—Continued.  
DIVISION C.—Private schools for both sexes.—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MASSACHUSETTS—continued.														
287	Natick (box 1218).....	Mrs. Potter's Home School.....			Non-sect.....									
288	New Bedford.....	Friends' Academy.....	1812	1811	Non-sect.....	1	4	5	11	17	28	7	No..	No.
289	Newburyport.....	Putnam Free School.....			Non-sect.....	1	2	3	34	49	83	10	Yes	No.
290	New Salem.....	New Salem Academy.....	1795	1795	Non-sect.....	1	0	1	12	16	28	2	No..	No.
291	Newton Centre (Pelham st.).....	Private School.....			Non-sect.....	0	2	2	7	19	26		No..	No.
292	Roxbury.....	do.....			Non-sect.....									
293	Shelburne Falls.....	Arms Academy.....		1885	Non-sect.....	8	8	16	20	40	60	6	No..	No.
294	South Braintree.....	Thayer Academy.....	1860	1880	Non-sect.....	2	2	4	44	62	106	13	No..	No.
295	South Lancaster.....	J. B. Sewall, A. M., head-master.....	1879	1877	Non-sect.....	6	1	7	30	74	104	15	No..	No.
296	Taunton.....	George W. Carnives.....	1883	1882	7-Day Ad.....	2	6	8	40	41	81	31	No..	No.
297	Westford.....	Wm. A. Palmer.....	1794	1796	Non-sect.....	3	3	6	74	46	120	21	No..	No.
298	West Newton.....	Wm. E. Frost, A. M.....	1793	1792	Non-sect.....	1	2	3	24	23	47	7	No..	No.
299	Wilbraham.....	Nath'l T. Allen.....	1855	1854	Non-sect.....	7	7	14	65	30	95	30	Yes	No.
		Rev. G. M. Steele, LL. D.....	1824	1825	M. E.....	8	6	14	179	135	305	67	Yes	No.
MICHIGAN.														
300	Adrian.....	F. R. Hathaway, B. S.....		1849	Friends.....	2	1	3	46	43	89	28	No..	No.
301	Marquette.....	St. Joseph's Academy.....		1868	R. C.....		8	8	110	170	280			
302	Owosso.....	Mrs. L. E. Gould.....	1869		Non-sect.....				3	60	50	110	No..	No.
303	Port Huron.....	Sister Mary Josephine.....		1883	R. C.....		13	13	130	250	380		No..	No.
304	Spring Arbor.....	Rev. A. H. Stilwell, A. M.....	1872	1874	Free Meth.....	4	1	5				17	No..	No.

MINNESOTA.		MINNEAPOLIS (1314 Fourth st., SE.).		MINNEAPOLIS ACADEMY.....		Eugene D. Holmes, M. A.....		.....		1879		Non-sect..		3		3		6		115		45		100		80		No.		No.	
305	Minneapolis	Fourth st., SE.).	Minneapolis Academy.....	Eugene D. Holmes, M. A.....	.....	1886	Cong.....	2	3	5	56	35	91	20	Yes.	No.	No.														
306	Montevideo.	Western Minnesota Seminary.....	James T. Fairchild.....	1886	Cong.....	1877	Bapt.....	1	4	7	61	61	122	23	Yes.	No.	No.														
307	Owatonna.	Pillsbury Academy.....	James W. Ford.....	1877	Bapt.....	1853	R. C.....	1	7	8	256	217	512	23	Yes.	No.	No.														
308	St. Paul (440 Fort st.).	Assumption School.....	Sisters Notre Dame.....	1877	R. C.....	1853	Non-sect.....	2	7	9	65	80	145	19	No.	No.	No.														
309	St. Paul (24 Summit ave.).	Baldwin Seminary.....	Clinton J. Backus.....	1853	Non-sect.....	1874	Lutheran.....	18	1	19	197	75	272	Yes.	No.	No.															
310	St. Peter.....	Gustavus Adolphus College.....	Rev. M. Wahlstrom, A. M.....	1874	Lutheran.....	1873	W. Meth.....	1	2	3	22	27	49	10	No.	No.															
311	Waseota.....	Wesleyan Methodist Seminary.....	L. H. Tucker, trustee.....	1873	W. Meth.....	1882	Lutheran.....	5	2	7	225	66	301	7	No.	No.															
312	Willmar.....	Minnesota Lutheran Seminary.....	H. S. Lilleboe, A. M.....	1882	Lutheran.....	1878	Lutheran.....	1	2	3	50	40	90	18	No.	No.															
313	Beth Eden.....	Beth Eden Collegiate Institute.....	Rev. J. R. Horvorth, A. B.....	1878	Lutheran.....	1875	Meth.....	1	2	3	60	43	103	66	No.	No.															
314	Black Hawk.....	Winona District High School.....	L. B. Abell.....	1875	Meth.....	1883	Non-sect.....	1	4	5	73	83	138	6	No.	No.															
315	Booneville.....	Booneville Institute.....	J. C. Bryson, R. S.....	1883	Non-sect.....	1889	Non-sect.....	5	2	8	120	135	255	112	No.	No.															
316	Daleville.....	Cooper Normal College.....	Tom G. McLeath, president.....	1885	Non-sect.....	1887	Presb.....	2	4	8	85	60	145	9	No.	No.															
317	Hamlet.....	Jasper Normal High School.....	S. T. King, A. B.....	1889	Non-sect.....	1882	Presb.....	1	5	6	38	27	65	23	No.	No.															
318	Hampden.....	Gulf Coast College.....	J. A. Haddestad, A. M.....	1882	Presb.....	1881	Non-sect.....	4	3	7	69	57	125	81	(a)	Yes.															
319	Harpersborough.....	Harpersville College.....	C. A. Haddestad, A. M., presi- dent.....	1881	Non-sect.....	1883	Meth.....	3	3	38	9	47	.....	No.	No.	No.															
320	Jackson.....	Jackson Collegiate Academy*.....	T. A. S. Adams.....	1883	Meth.....	1886	Non-sect.....	5	5	10	109	105	214	35	No.	No.															
321	Lexington.....	Lexington Normal College.....	L. T. Dickey, co-principal.....	1886	Non-sect.....	1875	M. E.....	1	3	67	118	185	66	.....	No.	No.															
322	Meridian.....	Meridian Academy.....	J. H. Brooks, A. M.....	1875	M. E.....	1885	Non-sect.....	1	2	3	40	45	85	.....	No.	No.															
323	Molino.....	Cool Springs Academy.....	Frank McWhorter.....	1885	Non-sect.....	1886	Non-sect.....	1	2	3	30	65	95	30	No.	No.															
324	Pittsborough.....	Male and Female College.....	W. W. Rivers.....	1886	Non-sect.....	1889	Non-sect.....	1	4	5	80	70	150	.....	No.	No.															
325	Ripley.....	do *.....	J. B. Williams.....	1886	Non-sect.....	1889	Non-sect.....	2	2	4	57	65	122	30	No.	No.															
326	Sylvania.....	Sylvania High School.....	W. S. Huddleston, A. M.....	1889	Non-sect.....	1867	Non-sect.....	3	3	6	36	36	72	.....	No.	No.															
327	Verona.....	North Mississippi College.....	Dr. T. C. Wear, president.....	1889	Non-sect.....	1847	Non-sect.....	3	3	6	36	36	72	.....	No.	No.															
MISSOURI.																															
328	Ashley.....	Watson Seminary.....	Rev. J. H. Pipet, R. S., A. M.....	1847	Non-sect.....	1886	Non-sect.....	1	2	3	86	99	185	50	No.	No.	No.														
329	Aurora Springs.....	Aurora Springs Academy.....	W. M. Lumpkin, secretary.....	1886	Non-sect.....	1870	Non-sect.....	1	2	3	25	35	60	26	No.	No.	No.														
330	Boonville.....	Cooper Institute.....	Anthony Haynes, A. M.....	1879	Non-sect.....	1883	Non-sect.....	1	2	4	50	30	80	.....	(a)	No.	No.														
331	Brashear.....	Brashear Academy.....	J. S. Bailey, R. S.....	1884	Non-sect.....	1886	Presb.....	2	1	2	4	49	43	92	28	No.	No.														
332	Brookfield.....	Brookfield College*.....	Rev. J. F. Finley, D. D.....	1886	Presb.....	1887	Presb.....	2	1	3	45	30	75	.....	No.	No.															
333	Butler.....	Butler Academy.....	Elliott Pyle, president board trustees.....	1888	Presb.....	1879	Presb.....	2	1	3	45	30	75	.....	No.	No.															
334	Caledonia.....	Bellevue Collegiate Institute.....	W. D. Vandiver, III, R., presi- dent.....	1867	M. E. So.....	1879	M. E. So.....	3	3	6	70	76	146	.....	No.	No.															
335	Cameron.....	Mrs. Tiernan's Home School.....	Mrs. S. B. Tiernan.....	1879	.....	1880	.....	2	2	4	201	197	398	39	No.	No.															
336	Cassville.....	Cassville Collegiate Institute.....	N. L. Maiden.....	1880	Non-sect.....	1886	Non-sect.....	4	0	4	43	32	75	20	No.	No.															
337	Clarksburgh.....	Clarksburgh College*.....	L. R. Willey.....	1878	Non-sect.....	1876	Non-sect.....	2	2	4	28	76	8	.....	Yes.	Yes.															
338	do.....	Hooper Institute.....	H. P. Hooper.....	1876	Non-sect.....	1885	Non-sect.....	4	4	8	67	31	98	50	No.	No.															
339	Clinton.....	Clinton Academy.....	E. P. Lampkin, A. M.....	1885	Non-sect.....	1883	Bapt.....	2	1	3	.....	.....	.....	.....	Yes.	Yes.															
340	College Mound.....	College Mound Institute.....	Geo. Murray.....	1883	Bapt.....	1885	R. C.....	2	1	3	.....	.....	.....	.....	Yes.	Yes.															
341	Edina.....	St. Joseph's Academy.....	Sisters of Loreto.....	1865	R. C.....	1865	R. C.....	2	1	3	.....	.....	.....	.....	Yes.	Yes.															

**a Calisthenics.**

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
MISSOURI—continued.														
342 Farmington .....	Farmington Baptist College.....	E. J. Jennings, president.....	.....	1866	Mia. Bapt.	3	.....	3	63	33	96	.....	No.	No.
343 Gravelton .....	English Concordia College.....	Rev. L. M. Wagner, A. M., president.	1886	1885	Lutheran.	2	.....	2	60	61	121	83	Yes.	No.
344 Greenfield .....	Ozark College .....	E. Allen Frost, A. B., president	.....	.....	Conth. P.	2	4	6	.....	.....	180	.....	No.	No.
345 Henderson .....	Henderson Academy .....	J. N. Anderson .....	.....	1879	Non-sect.	1	2	3	68	57	125	96	No.	No.
346 Houston .....	Houston Institute .....	G. W. White .....	1884	1872	Non-sect.	2	3	5	146	167	313	185	Yes.	No.
347 Humphreys .....	Humphreys College .....	G. A. Smith, A. M., president .....	.....	1884	.....	5	3	8	100	96	196	.....	No.	No.
348 Kansas City (1001 McGee st.) .....	German-English School.....	F. A. Hess .....	.....	1859	.....	2	1	3	25	30	55	.....	No.	No.
349 Kirkwood .....	Glendale Institute .....	E. A. Haight .....	1882	1882	Non-sect.	4	5	9	36	24	60	6	No.	Yes.
350 La Belle .....	Western Academy .....	.....	1889	1880	Non-sect.	4	3	7	59	69	109	.....	No.	No.
351 Louisiana .....	McCune College .....	Rev. H. T. Morton, A. M., president.	1881	1880	Baptist .....	1	5	6	42	61	103	92	Yes.	No.
352 Marble Hill .....	Mayfield-Smith Academy .....	Miss Jane R. Parke .....	.....	1873	Baptist .....	1	2	3	39	40	79	6	No.	Yes.
353 Marionville .....	Marionville Collegiate Institute .....	T. H. Kendall .....	1872	1876	M. E.	3	5	8	87	71	158	.....	No.	No.
354 Novelty .....	Oaklawn College .....	J. C. Custer .....	.....	1876	Non-sect.	5	1	6	.....	.....	55	.....	No.	No.
355 Odessa .....	Odessa College .....	W. W. Grube, A. M., president .....	1886	1885	Non-sect.	3	1	4	53	50	103	38	No.	No.
356 Ottaville .....	Ottaville College .....	J. V. Curdin, president .....	.....	1885	Non-sect.	2	2	4	60	40	100	.....	No.	Yes.
357 Palmyra .....	Confenary High School .....	Jas. A. Lanius .....	1884	1884	M. E. So.	5	5	10	90	93	183	.....	No.	No.
358 ..do .....	St. Joseph's School .....	Rev. A. Leonard .....	.....	1879	R. C.	1	2	3	18	22	40	.....	No.	No.
359 ..do .....	St. Paul's College .....	Rev. T. A. Wainwright .....	1852	1848	P. E.	1	3	4	12	38	50	.....	No.	No.
360 Parkville .....	Park College Academy .....	L. M. McAlister, A. M. ....	.....	1875	Presb. ....	1	4	5	80	85	165	165	No.	No.



			W. H. Pritchett, A. M., president.	1868	1869	Non-sect.	3	2	5	40	75	115	90	Yes.	No.
361	Paynesville.	Paynesville School Institute	W. H. Pritchett, A. M., president.	1868	1869	Non-sect.	3	2	5	40	75	115	90	Yes.	No.
362	Pilot Grove.	Pilot Grove Collegiate Institute	D. Lee Roe, A. M.	1880	1878	Non-sect.	4	4	8	86	84	170	120	No.	Yes.
363	Plattsburgh	Plattsburgh College.	J. W. Ellis, A. M., Ph.D., president.	1881	1880	Non-sect.	3	2	5	72	60	133	.....	No.	No.
364	Rensselaer.	Van Rensselaer Academy	E. T. Hornbeck	1852	1852	Presb.	1	1	1	12	11	23	.....	No.	No.
365	Seymour.	Mountain Dale Seminary	T. H. Purcell	1872	1872	Non-sect.	1	2	2	27	32	59	7	No.	No.
366	Spring Garden.	Miller County Institute	J. Roberts	1879	1879	Non-sect.	2	3	5	42	43	85	6	No.	No.
367	Weaubleau	Weaubleau Christian Institute	John Whitaker, president	1869	1873	Christian	2	1	3	64	50	114	.....	No.	No.
NEBRASKA.															
368	Beatrice.	Blake School	Henry N. Blake	1881	1881	.....	1	1	2	52	65	117	.....	(a)	No.
369	Franklin.	Franklin Academy	Alexis C. Hart, A. M.	1881	1881	Cong.	5	2	7	74	67	141	24	No.	Yes.
370	Hastings	Hastings College	Rev. W. F. Kingland, A. M., president.	1882	1882	Presb.	5	4	9	50	66	116	100	No.	No.
371	Oakdale	Oakdale Seminary	Rev. H. Wilson, president.	1881	1882	Presb.	1	1	1	15	8	23	.....	No.	No.
372	Patsumouth	St. John's School	Mother Alphonsa, O. S. D.	1883	1883	R. C.	8	8	100	150	250	.....	11	No.	No.
373	Walton	Luther Academy	Prof. S. M. Hill	1883	1883	Ev. Luth.	3	2	5	64	28	92	.....	No.	No.
NEW HAMPSHIRE.															
374	Andover.	Proctor Academy	A. L. Hodges, A. P.	1889	1881	Unitarian.	1	3	4	21	45	66	6	No.	No.
375	Atkinson.	Atkinson Academy	Freeman B. Rice	1791	1789	Non-sect.	1	1	2	27	24	51	15	No.	No.
376	Candia Village	Candia Village High School	Hattie Johnson	1878	1878	Non-sect.	1	1	1	40	35	75	.....	No.	No.
377	Colebrook	Colebrook Academy	J. H. Dudley, chairman.	1814	1815	Non-sect.	4	2	6	68	60	128	43	Yes	No.
378	Derry.	Pinkerton Academy	G. W. Bingham, A. M.	1883	1883	Non-sect.	1	3	4	63	51	114	15	No.	No.
379	Epping.	Watson Academy	Elmer E. French	1794	1794	Non-sect.	2	2	4	26	27	53	5	No.	No.
380	Gilmanton.	Gilmanton Academy	S. W. Robertson, A. M.	1810	1811	Non-sect.	1	2	3	33	35	68	.....	(a)	No.
381	Hampton.	Hampton Academy	J. Sanborn	1793	1888	Non-sect.	1	2	3	40	50	90	9	No.	No.
382	Haverhill.	Haverhill Academy	C. H. Morrill	1883	1888	Non-sect.	2	4	6	43	56	99	6	No.	No.
383	Kingston.	Sanborn Seminary	Charles H. Clark	1828	1829	Non-sect.	1	1	2	42	58	100	10	No.	No.
384	Langcaster	Langcaster Academy*	D. T. Timberlake	1837	1887	Non-sect.	1	1	2	15	10	25	.....	No.	No.
385	Mount Vernon	McCollum Institute	Mrs. O. F. Davis	1837	1887	Non-sect.	1	1	2	15	10	25	.....	No.	No.
386	New Hampton.	New Hampton Literary Institution	Frank W. Preston, associate principal.	1853	1853	F. W. B.	6	3	9	.....	.....	.....	.....	No.	No.
387	New London	Colby Academy	James P. Dixon, A. M.	1853	1853	Baptist	3	4	7	47	57	104	18	Yes.	No.
388	Northwood Centre.	Coe's Northwood Academy	E. L. Blaine, A. M.	1867	1866	Non-sect.	1	1	3	15	15	30	7	Yes.	No.
389	Northwood Ridge	Northwood Seminary	J. H. Hine, A. M.	1866	1867	Free Bapt.	2	1	3	39	20	59	9	No.	No.
390	Pembroke	Pembroke Academy	Isaac Walker, A. M.	1818	1819	Cong.	1	2	3	27	43	70	22	No.	No.
391	Portsmouth	Smith's Academy	Lewis E. Smith	1873	1873	.....	2	1	3	45	12	57	14	.....	No.
392	Reed's Ferry.	McGraw Normal Institute	F. E. Burnette	1849	1849	Non-sect.	1	3	4	23	25	48	6	No.	No.
393	South Hampton.	Barnard School	Jane A. Darvey	1841	1841	Non-sect.	1	1	1	11	7	18	.....	No.	No.
394	Stratford.	Stratford Academy	I. Copp	1834	1834	Non-sect.	1	1	2	35	23	58	6	No.	No.
395	Warner.	Simonds Free High School	E. P. Barker	1871	1871	Non-sect.	1	2	3	28	27	55	1	No.	No.
396	Wolfeborough.	Brewster Free Academy	E. H. Lord, A. M.	1887	1887	Non-sect.	3	3	6	55	61	116	10	No.	Yes.
NEW JERSEY.															
397	Belvidere.	Belvidere Academy	George H. Hooper, A. M.	1886	1886	Non-sect.	1	2	3	17	19	36	8	No.	No.
398	Beverly.	Farmum Preparatory School	James B. Dilko, A. M.	1855	1856	Non-sect.	1	3	4	49	61	110	5	No.	No.

a Calisthenics.

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION C.—Private schools for both sexes.—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.			Physical culture.		
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NEW JERSEY—cont'd.														
399	Blairtown .....	Blair Presbyterian Academy .....	J. H. Shumaker, A. M., Ph. D. ....	1848	Presb. ....	4	3	7	63	40	103	67	Yes.	No.
400	Bridgeton .....	South Jersey Institute .....	H. K. Trask, LL. D. ....	1868	Baptist ...	5	7	12	100	50	150	39	No.	Yes.
401	Cinnaminson .....	Westfield Friends' School .....	Clayton Conrow, chairman and board of trustees.	1891	Friends ...	2	2	4	19	19	38	3	No.	No.
402	Cranbury .....	Braierd Institute* .....	Edward Wiese, A. M., president.	1865	Non-sect. .	2	1	3			75			
403	Deckertown .....	Seeley's Home School .....	W. H. Seeley, A. M. ....	1884	Non-sect. .	1	1	2	14	20	34	2	No.	No.
404	Elizabeth .....	Elizabeth Institute .....		1860		2	4	6	20	45	65	2		
405	Hackettstown .....	Centenary College Institute .....	Rev. Geo. H. Whitney, D. D., president.	1869	M. E. ....	8	6	14	157	119	276	83	Yes.	No.
406	Hightstown .....	Peddie Institute .....	Horbert E. Slaughter, A. M. ....	1867	Baptist ...	5	10	15			195		Yes.	Yes.
407	Hoboken .....	Hoboken Academy .....	Jrs. Schrenk .....	1860	Non-sect. .	12	5	17	263	140	403	3	Yes.	No.
408	Hopewell .....	Hopewell Seminary .....	Miss E. H. Doggs .....	1866	Non-sect. .	4	4	8	10	25	35	0	(a)	No.
409	Jersey City (169 Grand st.).	Hasbrouck Institute .....	Chas. E. Stimets, A. M. ....	1856	Non-sect. .	14	8	22	180	122	302	70	Yes.	No.
410	Manawan .....	Glenwood Collegiate Institute .....	J. Calvin Rice, A. M. ....	1835	Non-sect. .	2	4	6	60	45	105	4	Yes.	No.
411	Moorestown .....	Moorestown Friends' Academy .....	W. L. Moore .....	1878	Friends ...	1	3	4	38	31	69	2	No.	No.
412	Newton .....	Newton Collegiate Institute .....	Joel Wilson, A. M. ....	1850	Non sect. .	3	2	5	71	24	95	12	Yes.	No.
413	Orange .....	Dearborn-Morgan School .....	Dearborn, Morgan & Co. ....	1876	Non-sect. .	3	14	17	92	141	233	35	No.	No.
414	Pennington .....	Pennington Seminary .....	Thomas Hanlon, A. M., D. D. ....	1840	M. E. ....	8	6	14	212	100	312	12	Yes.	No.
415	Salem .....	Salem Friends' School .....	R. H. Reinhardt .....	1839	Friends ...	0	3	3	56	28	84	39	No.	No.
416	Somerville .....	Somerville Classical School .....	Rev. J. A. Mets .....	1858	Non-sect. .	2	3	5	28	26	54	14	No.	No.





TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION C.—Private schools for both sexes.—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.			Physical culture.		
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NEW YORK—continued.														
456	Greenwich	Greenwich Union School.....	1839	1839	.....	1	9	10	251	305	556	32	.....	.....
457	Hartwick Seminary.....	Rev. James Pitcher, A. M.....	1816	1815	Lutheran.....	6	1	7	69	28	95	.....	No.	No.
458	Havana.....	A. C. Hill, ph. D.....	1872	1873	Baptist.....	5	4	9	91	70	161	.....	Yes.	No.
459	Ithaca.....	Cascadilla School.....	1876	1876	.....	2	2	4	.....	.....	.....	.....	.....	.....
460	Le Roy	Le Roy Academic Institute.....	1864	1863	Non-sect.....	11	6	17	207	167	374	15	No.	Yes.
461	Lima.....	Genesee Wesleyan Seminary.....	1830	1830	M. E.....	2	3	5	51	31	82	21	Yes.	No.
462	Locust Valley (S. L.).....	Friends' Academy.....	1842	1876	Friends.....	2	2	4	54	51	105	4	No.	No.
463	Macedon Centre.....	Macedon Academy.....	1855	1841	Non-sect.....	1	2	3	51	63	120	81	No.	No.
464	Marion.....	Marion Collegiate Institute.....	1861	1856	Baptist.....	1	6	7	40	50	90	10	Yes.	No.
465	Mechanicville.....	Florence Institute.....	1861	1862	Non-sect.....	2	4	6	64	69	133	45	No.	No.
466	Mexico.....	Mexico Academy.....	1873	1826	Non-sect.....	1	2	3	70	90	160	17	No.	No.
467	Moriah.....	Sherman Academy.....	1873	1873	Baptist.....	0	2	2	8	19	27	0	No.	No.
468	Nanuet.....	Nanuet Home School.....	1878	1878	Non-sect.....	2	2	4	40	20	60	4	No.	No.
469	Nassau.....	Nassau Academy.....	1835	1835	Non-sect.....	2	2	4	40	20	60	4	No.	No.
470	New York (East 16th st. and Rutherford Place),.....	Friends' Seminary.....	.....	1861	Friends.....	3	10	13	55	69	124	4	Yes.	No.
471	New York (824 Lexington ave.),.....	Heidenfeld Institute.....	.....	1864	Non-sect.....	6	7	13	56	48	104	8	Yes.	No.
472	New York (18 W. 93d st.),.....	Heywood Institute.....	.....	1883	Non-sect.....	2	8	10	16	34	50	.....	No.	No.
473	New York (334-336 Lenox ave.),.....	Lenox Institute.....	.....	1888	Non-sect.....	7	1	8	45	20	65	15	Yes.	Yes.

474	New York (152 W. 163d st.).	Riverside School.	Miss Emily A. Ward.	1887	P. E.	1	7	8	27	73	100	
475	New York (148 Elizabeth st.).	St. Matthew's Academy	Rev. E. Bohn, director		Ev. Luth.	4	3	7	150	100	250	18
476	Nyack.	Rockland Colloge.	W. H. Bannister, A. M.	1878	Non-sect.	6	6	12	94	49	143	42
477	Oxford.	Oxford Academy	Frederick L. Gamage, A. M.	1794	Non-sect.	1	4	5	125	100	225	7
478	Peckskill.	Westchester County Institute	Chas. Unterreiner	1877	Non-sect.	2	4	3	26	17	43	4
479	Peterborough.	Evans Academy*	A. E. Dunham, A. S.	1871	Non-sect.	1	2	2	42	40	82	12
480	Pike.	Pike Seminary	Edson J. Quigley, secretary.	1856	Free Bapt.	1	3	5	80	70	150	33
481	Pine Plains.	Seymour Smith Academy	Rev. A. Madiec, A. M.	1879	Non-sect.	2	3	5	24	21	45	10
482	Poupey.	Poupey Academy	W. A. Ingalls.	1809	Non-sect.	1	1	2	43	36	79	5
483	Poughkeepsie (Market st.).	Quincy School	Miss C. E. Silloway	1811	Non-sect.	0	3	3	22	34	56	2
484	Poughkeepsie	St. Mary's School.		1879	R. C.	0	4	4	155	90	245	
485	Pulaski.	Pulaski Academy	Wm. C. Gorman	1854	Non-sect.	1	4	5		128		13
486	Randolph.	Chamberlain Institute	Rev. J. T. Edwards, D. D.	1831	M. E.	6	4	10		240		
487	Red Creek.	Red Creek Union Seminary	G. A. Jacobs	1845	Non-sect.	3	6	5	97	103	200	18
488	Rhinebeck.	De Garino Institute	James M. De Garino, A. M., Ph. D.	1864	Non-sect.	1	4	5	47	51	93	4
489	Saugerties.	Saugerties Institute.	William Wright.	1866	Non-sect.	1	4	5	40	50	90	2
490	Sauguit.	Sauguit Academy.	Frederick C. Kane.	1847	Non-sect.	1	2	3	50	80	130	3
491	Sherman.	Sherman Union School and Academy.	L. H. Russell, Ph. D.	1872	Non-sect.	2	5	7		296		
492	Sodus.	Sodus Academy.	Eliza Curtis, A. M.	1855		2	2	4	80	90	170	33
493	Southold.	Southold Academy.	Margaret S. Snyder			1	1	7	9	16	2	2
494	Springville.	Griffith Institute.	Laurence A. Toeppe, clerk Ed. of Ed.	1830	Non-sect.	1	11	12	61	96	157	157
495	Stanford.	Stanford Seminary	Francis M. Smith, Ph. D.	1831		3	6	9		322	20	
496	Stapleton.	Staten Island Academy.	Frederick E. Partington, A. M.	1885		5	6	11	120	105	225	80
497	Unadilla.	Unadilla Academy	Robert F. Sullivan, B. S.	1859	Non-sect.	2	2	4	54	72	126	6
498	Walworth.	Walworth Academy	J. D. Bennett, secretary	1842		1	2	3	30	40	70	1
499	Wilson.	Wilson Seminary	John Anthony	1886	Non-sect.	1	3	4	12	22	34	6
500	Yates.	Yates Academy.	E. L. Bruinsoot.	1841	Non-sect.	1	1	17	19	36	11	
NORTH CAROLINA.												
501	Albemarle.	Albemarle Academy.	J. A. Bivins	1875	Non-sect.	2	1	3	60	40	100	4
502	Bayboro.	Public Male and Female Institute	George T. Farnell, L. I.	1887		1	1	2	17	31	48	(a)
503	Belvidere.	Belvidere Academy	E. A. and M. J. White	1835	Friends	0	2	2	21	23	44	2
504	Burlington.	Holt's School	Rev. Jeremiah W. Holt	1881	Christian	1	1	2	36	44	80	
505	Cary.	Cary Academy	W. L. Carmichael	1884	Mis. Bapt.	1	1	1	40	35	75	5
506	Cary.	Cary Collegiate School.	A. E. Booth, L. I.	1875	Non-sect.	2	3	5	37	55	92	60
507	Chocowinity.	Trinity School	Rev. N. C. Hughes, A. M., D. D.	1874	P. E.	4	2	6	43	28	71	21
508	Cedar Grove.	Cedar Grove Academy *	B. C. Patton	1881	Non-sect.	4	1	2	16	15	31	5
509	Conover.	Concordia College.	Rev. L. A. Yoder, A. M., pres. t.	1881	Luth.	4	2	6	90	72	162	
510	Elizabeth City.	Elizabeth City Academy	S. L. Sheep	1877		2	3	5	65	80	145	70
511	Ellerbe Springs.	Richmond Training School.	D. W. Odowd	1886		1	2	3	22	12	34	13
512	Enochville.	Enochville High School *	F. B. Brown, A. M.	1875		1	2	3	45	58	103	5
513	Farmers.	Farmers Academy	William C. Hammer.	1870	Non-sect.	3	1	4	40	52	92	15
514	Farmville.	Farmville Seminary	W. E. Mewborn.	1886		2	2	3	26	29	55	
515	Fork Church.	Fork Academy.	J. T. Alderman, supt.	1879	Baptist.	2	1	3	43	80	7	

\* Statistics of 1887-88.

*a* Calisthenics.







TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.		Students.			Physical culture.			
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparatory for college classical course, or for scientific course in college or scientific school.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PENNSYLVANIA.														
575 Bellefonte	Bellefonte Academy	Rev. J. C. Hughes	1806	1807	Non-sect..	2	2	4	40	40	80	25	No..	No.
576 Bethlehem (70 Church st.).	Moravian Parochial School	Rev. Morris W. Leibert, acting superintendent.		1742	Moravian.	4	7	11	125	130	255	7	No..	No.
577 Birmingham	Mountain Seminary	N. Y. Davis	1852	1857	Presb.		8	8	15	60	75	50	Yes.	No.
578 Canonsburgh	Jefferson Academy	C. M. Des Isles, Ph. D.	1864	1864	Non-sect..	5	4	9	116	100	216	75		No.
579 Chester (box 164).	Chester Academy	George Gilbert	1862	1862	Friends	2	4	6	71	60	131	3		No.
580 Concordville	Maplewood Institute	Joseph Shortlidge, A. M.	1870	1862	Friends	4	2	6	30	10	40	15		No.
581 Elder's Ridge.	Elder's Ridge Academy	L. H. Prantz	1839	1839	Presb.	3	3	6	86	22	108	11	No..	No.
582 Erie	Erie Academy	Alario Stone, A. M.	1817	1819	Non-sect..	1	2	3	52	44	96		No.	Yes.
583 Factoryville	Keystone Academy	A. H. Fassett, secretary	1869	1869	Baptist	6	3	9	125	90	215		Yes.	No.
584 Frederickburgh	Schuylkill Seminary	Rev. G. Hohzapfel, A. B.	1831	1831	Evau. Ass.	4	2	6	66	32	98	3	No..	Yes.
585 Jenkintown	Abington Friends' School	A. H. Tomlinson, B. S.		1702	Friends	2	3	5	49	52	101		No..	No.
586 Kennett Square.	Martin Academy	Henry Painter		1873	(Hicksite).									
587 Kingston	Wyoming Seminary	Rev. L. L. Spragno, A. M., D. D.	1844	1844	Friends	1	2	3	48	49	97	3	No..	No.
588 Langhorne	Friends' Institute	Cassandra H. Rice	1790	1790	Friends	14	4	18	255	160	415	261	No..	No.
589 London Grove	London Grove Friends' School	Jane P. Rushmore	1868	1868	Friends	0	4	4	54	56	110	16	No..	No.
590 McAlevey's Fort	Stone Valley Academy	Preston K. Dry, A. B.	1884	1862	Non-sect..	2	2	4	21	13	34	3	No..	No.
591 McDonald	Ingleisle Academy	Rev. W. D. Irons			Non-sect..	2	2	4	32	26	58		No.	No.
592 Meyersdale.	Meyersdale Preparatory School	John D. Meese, M. Ph.	1834	1834	Non-sect..	3	1	4	70	30	100	30	No..	No.
593 Mifflintown.	Mifflin Academy*	R. F. Elliott	1882	1882	Non-sect..	1	2	3	85	63	148	19	No..	No.
594 Mount Pleasant	Western Pennsylvania Classical and Scientific Institute.	Rev. Leroy Stephens, A. M.	1871	1873	Baptist	3	5	8	77	65	143	13	No..	No.



		W. m. C. Schaeffer, president ..	1868	Returned.	5	3	8	94	53	147	No..	No.
595	Myerstown ..	J. M. Arnold, A. B ..	1883	Non-sect..	3	1	4	51	31	182	23	No..
596	New Bloomfield ..	W. E. Cannon ..	1883	Non-sect..	3	1	3	108	50	158	23	No..
597	McElwain Institute ..	G. A. Sarick ..	1883	Non-sect..	3	1	3	108	50	158	16	No..
598	North Hope ..	S. U. Brunner ..	1871	Non-sect..	6	0	6	50	40	90	3	No..
599	North Wales Academy ..	S. G. B. Passmore, Ph. B ..	1881	Non-sect..	1	1	1	16	15	31	14	No..
600	Friends' Select School ..	Miss A. F. Webb ..	1878	Non-sect..	2	4	6	37	37	74	1	No..
601	Oxford ..	J. Q. Griffith, Ph. B ..	1859	Non-sect..	1	1	2	16	20	36	14	No..
602	Parksburgh Academy ..	J. Q. Griffith, Ph. B ..	1859	Non-sect..	2	2	4	51	24	75	8	No..
603	Parksburgh ..	Perkionien Seminary ..	1877	Non-sect..	3	2	5	35	5	40	18	Yes.
604	Pennsburg ..	Alonso Brown, A. M. ....	1877	Non-sect..	3	2	5	35	5	40	18	Yes.
605	Philadelphia (1418 Chestnut st.).	Geo. L. Maris, A. M., and Annie Shemaker.	1845	Friends ..	9	34	43	251	341	592	9	Yes.
606	Philadelphia (15th and Race sts.).	John H. Dillingham ..	1883	Friends ..	2	8	10	72	71	143	2	.....
607	Philadelphia (140 N. 16th st.).	Fanny Jackson Coppin ..	1842	Friends ..	3	5	8	202	225	427	.....	.....
608	Philadelphia (921 Cambridge st.).	Miss F. M. Schleigh ..	1877	Non-sect..	.....	8	8	.....	.....	50	.....	.....
609	Pleasant Mount ..	F. E. Spencer, president ..	1881	Non-sect..	1	1	2	24	56	80	.....	No..
610	Reidsburgh ..	C. A. Gilbert, A. M. ....	1870	Baptist ..	1	2	3	30	23	53	.....	No..
611	Riegelsville ..	Rev. James F. Lewis ..	1854	Non-sect..	1	1	2	20	17	37	8	No..
612	Riversburgh ..	Rev. W. W. Deatrice, A. M ..	1859	Returned ..	3	.....	3	40	37	77	14	No..
613	Scranton ..	Rev. Thos. M. Cain, A. M ..	1873	Presb. ....	4	3	7	102	50	152	95	No..
614	Schlagrove ..	J. R. Dimm, A. M., D. D ..	1859	Lutheran ..	4	1	5	64	16	80	64	No..
615	Sharon ..	J. E. Scott ..	1888	Baptist ..	5	5	10	98	133	231	37	No..
616	Shenkevillle ..	John E. Bahr ..	1873	Non-sect..	2	2	2	51	65	116	9	No..
617	Stewartstown ..	Edwin E. Quinlan, A. M ..	1859	Non-sect..	1	1	2	50	28	78	9	No..
618	Towanda ..	J. G. Williams, superintendent ..	1850	Presb. ....	3	5	8	.....	220	.....	.....	Yes.
619	Westown ..	Rev. Edward J. Gray, D. D ..	1799	Friends ..	10	7	17	265	234	499	.....	Yes.
620	Williamsport ..	Wm. E. Williams, superintendent ..	1848	M. E. ....	7	8	15	121	135	256	4	Yes.
621	York ..	Jas. McDougall, Ph. D ..	1872	Presb. ....	5	4	9	60	40	100	15	Yes.
RHODE ISLAND.												
622	Pawtucket ..	W. W. Curtis ..	.....	Friends ..	3	3	6	54	51	145	25	Yes.
623	Providence ..	Augustine Jones, A. M., LL. B ..	1784	Friends ..	11	9	20	110	106	216	15	Yes.
624	Providence (254 Broad-way).	Mother Gonzaga, superioress ..	1877	R. C. ....	.....	5	5	.....	.....	72	.....	No..
SOUTH CAROLINA.												
625	Anderson ..	Lenora C. Hubbard ..	1882	Non-sect..	1	4	5	45	49	94	7	(a)
626	Charleston ..	Rev. T. A. Grove, president ..	1865	Presb. ....	2	5	7	315	336	651	58	No..
627	Columbia ..	Rev. C. E. Becker, A. M ..	1871	Baptist ..	6	8	14	118	118	231	8	No..
628	Freemore ..	Miss Laura M. Towne ..	1862	Non-sect..	1	9	10	125	115	240	0	No..
629	Grove ..	T. L. Young ..	1880	Non-sect..	1	0	1	22	24	46	0	No..
630	Locsville ..	L. B. Haynes, A. M., president ..	1881	Non-sect..	1	4	5	52	47	99	.....	Yes.

a Calisthenics.

\* Statistics of 1887-88.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Has the school a gymnasium?	Is military drill employed?
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific course in college or scientific school.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SOUTH CAROLINA—continued.														
631 Orangeburgh .....	Sheridan Classical School *	Hugo G. Sheridan .....	.....	1878	Non-sect.	3	1	4	76	45	121	.....	.....	.....
632 Wimsborough .....	Mount Zion Institute .....	W. H. Withetow, A.M., president.	1777	1779	.....	3	3	6	111	99	210	67	.....	.....
TENNESSEE.														
633 Bloomingdale .....	Kingsley Seminary .....	Joseph H. Ketron, A. M. ....	.....	1877	M. E. ....	3	1	4	81	50	131	51	No.	No.
634 Bloomington .....	Bloomington College .....	Rev. Thos. W. Salt, A.M., S. T. ....	.....	1880	M. E. ....	3	.....	3	76	44	120	.....	No.	No.
635 Chatata .....	Chatata High School .....	M. K. M. Parke .....	1887	1873	Non-sect.	2	.....	2	120	40	160	.....	No.	No.
636 Church Hill .....	Church Hill Academy .....	P. L. Henderson, A. B. ....	.....	1877	M. E. So.	1	1	2	35	30	65	20	No.	No.
637 Clifton .....	Clifton Masonic Academy .....	B. F. Davis .....	.....	.....	Non-sect.	1	2	3	30	45	75	.....	No.	No.
638 Cog Hill .....	Hoyle College .....	Geo. Metcalf .....	.....	1881	Non-sect.	1	1	2	39	31	70	0	No.	No.
639 Decaturville .....	Decaturville High School .....	Geo. Metcalf .....	.....	.....	Non-sect.	2	2	4	.....	.....	102	22	No.	No.
640 Evansville .....	Tennessee Valley College .....	E. B. Phillips, president .....	1881	1881	Non-sect.	2	2	4	70	40	110	.....	No.	No.
641 Friendsville .....	Friendsville Academy .....	James T. Jeala, secretary .....	1880	1855	Friends.	2	2	4	.....	.....	107	.....	No.	No.
642 Gardner .....	Gardner Academy *	board trustees.	.....	1871	.....	1	1	2	55	60	115	5	.....	.....
643 Grassy Cove .....	Grassy Cove Academy .....	D. W. Tracy .....	.....	1884	Presb.	1	2	3	64	44	108	21	No.	No.
644 Harbysville .....	Harbysville Masonic Institute .....	S. S. De Garned .....	.....	1856	.....	1	5	6	120	112	232	.....	.....	.....
645 Irving College .....	Irving College .....	S. A. Mynders, A. B. ....	.....	1857	.....	1	1	2	3	22	31	53	No.	No.
646 Johnson City .....	Fairview Private School *	Eugene B. Ettor .....	1880	1880	Non-sect.	1	1	2	90	70	160	8	.....	.....
		L. A. Calvin .....	.....	1867	Non-sect.	1	1	2	.....	.....	.....	.....	.....	.....



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.  
DIVISION C.—Private schools for both sexes.—PART I—Continued.

Location.	Name of school.	Principal.	Date of charter.	Date of opening.	Religious denomination.	Instructors.			Students.				Physical culture.	
						Male.	Female.	Total.	Male.	Female.	Total.	Total preparing for college classical course, or for scientific course in college.	Has the school a gymnasium?	Is military drill employed?
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
UTAH—continued.														
688 Ogden.....	School of the Good Shepherd.....	Arthur C. Newill.....	.....	1877	P. E.....	1	2	3	104	78	182	.....	No..	No.
689 Plain City.....	St. Paul's School.....	James H. Young.....	.....	.....	P. E.....	1	.....	.....	29	24	53	.....	No..	No.
690 Provo City.....	Proctor Academy.....	F. E. Merrill.....	.....	1887	Cong.....	1	3	4	100	150	250	.....	No..	No.
691 do.....	Bingham Young Academy.....	.....	.....	1876	L. D. S.....	7	2	9	297	149	446	.....	No..	No.
692 Salt Lake City.....	St. Mark's School.....	Bishop Leonard.....	1875	1876	P. E.....	1	8	9	287	149	436	.....	No..	No.
693 do.....	Salt Lake Collegiate Institute.....	J. F. Millsbaugh, superintendent.....	1879	1875	Presb.....	4	5	9	132	153	285	12	No..	No.
694 do.....	Salt Lake Seminary.....	Prof. W. A. Hunter.....	.....	1870	M. E.....	2	4	6	84	121	205	.....	No..	No.
VERMONT.														
695 Bakersfield.....	Briham Academy.....	F. E. Parlin, A. B.....	1877	1879	Non-sect.....	1	4	5	55	62	117	.....	No..	No.
696 Barre.....	Goddard Seminary.....	D. L. Mansby, A. B.....	1863	1870	Univ.....	5	5	10	80	69	149	13	No..	No.
697 Chelsea.....	Chelsea Academy.....	John M. Comstock.....	1851	1852	Non-sect.....	1	1	2	31	36	67	3	No..	No.
698 Derby.....	Derby Academy*.....	I. O. Palmer, A. B.....	1839	1839	Non-sect.....	1	2	3	55	65	120	6	No..	No.
699 Essex.....	Essex Classical Institute.....	Chauncey H. Hayden, A. M.....	1853	1854	Non-sect.....	1	2	3	28	32	60	5	No..	No.
700 Fairfax.....	New Hampton Institution.....	Henry Babcock.....	1824	1825	Baptist.....	1	2	3	26	22	48	1	No..	No.
701 Hyde Park.....	Lamoille Central Academy.....	J. W. Redmond.....	.....	1857	Non-sect.....	1	2	3	75	80	155	3	No..	No.
702 Lyndon Centre.....	Lyndon Institute.....	W. E. Rainger, A. M.....	1867	1870	Non-sect.....	6	4	10	.....	.....	211	45	No..	No.
703 Manchester.....	Burr and Barton Seminary.....	Allan C. Ferrin, A. B.....	1829	1833	Non-sect.....	2	5	7	56	33	89	26	Yes.	No.
704 Montpelier.....	Vermont Methodist Seminary.....	Rev. E. A. Bishop, A. M.....	1834	1834	M. E.....	5	9	14	217	116	333	.....	Yes.	No.
705 Peacham.....	Caledonia County Grammar School.....	C. A. Bulker, A. M.....	1793	1797	.....	1	3	4	75	75	150	30	No..	No.
706 Poulney.....	Troy Conference Academy.....	Rev. C. H. Dutton, D. D.....	1834	1836	M. E.....	7	6	13	129	99	228	44	Yes.	No.





TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89.

## DIVISION C.—Private schools for both sexes.—PART II.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
ALABAMA.									
1	Andrews Institute		\$20		\$1,500				
2	Ashland High School	0	15	0	2,000			\$300	
3	Trinity School		4-8		12,000	0	0	0	\$1,751
4	Centreville College		30		2,500				
5	Clanton High School	1,800	15-25		1,500	\$500	\$300	560	60
6	Collinsville High School	0	20-40	0	2,500	0	0	150	0
7	Dadeville High School	0	10-20	0		0	0	150	
8	Fort Deposit High School		20-40		1,200				
9	Furman Academy		18-40		2,000			130	
10	Galesville High School	0	15-40	\$50	5,000	0	0	60	
11	Jasper Male and Female Academy	150	20-40		3,000			126	
12	Lineville Institute		9-36		5,000			200	
13	German Ev. Luth. Congregational School		15		2,000				
14	Opelika Seminary	200	30	25	2,000				
15	Perdue Hill High School	164	20-40	10	1,500		1,000	160	1,000
16	Prattsville Male and Female Academy	0	18	1,000	25,000				
17	Male and Female Academy	150	15-30		2,000		0	0	0
18	Springville Institute	150	15-40		2,500				
19	Talladega College	3,500	5-10	200	92,200	31,204	900	0	3,000
20	Wetumpka High School	0	20, 30, 40		1,500			183	
ARKANSAS.									
21	Hendrix College	500	32, 40	110	12,500				
22	Ouchita Baptist College	1,200	20-50		40,000	0	0	0	
23	Mt. Pleasant Academy	0	12-15		1,000			200	
24	Fort Smith District High School	300	24	100	2,000				22
25	Center Ridge Christian College		15-40						
26	Male and Female Academy	150	20		1,800			225	
27	Evening Shade High School	300	25	175	2,000			600	
28	Male and Female Institute	800	30		5,000			2,800	
29	Prairie Grove Institute		15		2,500				1,000
30	Quitman College		15-40		13,000			805	
31	Roger's Academy	585	18	140	12,500	0	0	0	2,310
32	Searcy College	600	30-50	250	12,000				
CALIFORNIA.									
33	Healdsburg College	1,000	25-50	1,000	45,000				986
34	Washington College	800	70		40,000				
35	Lakeport Academy	400	35	200					
36	Livermore College	300	80, 66	20	17,000				
37	Shelton College of Liberal Arts	0	70	0	5,000				
38	Academy of Our Lady of Lourdes	300					0	0	
39	Placerville Academy	150	30-50	100	12,000			0	
40	Howe's High School	300	70						
41	Academy and Business College	100	70-80		10,000				
42	College of Notre Dame	2,500	40-60						
43	Westminster School		40-120	150	20,000				
COLORADO.									
44	Salida Academy	0	18-36		6,000			0	75

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	COLORADO—continued.								
45	Pueblo Collegiate Institute.	115	\$50	.....	\$30,000	.....	.....	0	\$5,000
46	Tillotson Academy.....	350	30	\$600	20,000	0	0	0	400
	CONNECTICUT.								
47	Academy of the Holy Family.	250	\$150	.....	2,000	.....	.....	.....	.....
48	Bacon Academy.....	400	18	150	5,000	\$34,000	\$1,700	.....	.....
49	Housatonic Valley Institute.	500	40	.....	20,000	.....	.....	.....	.....
50	Elmwood Home School.....	.....	15-24	.....	9,000	.....	.....	0	0
51	Glastonbury Academy.....	40	30	200	5,000	.....	.....	.....	300
52	Mystic Valley English and Classical Institute.	600	50	200	10,000	.....	.....	0	0
53	New Canaan Institute.....	.....	40	.....	8,000	0	0	0	0
54	Robbins School.....	.....	60	.....	.....	.....	.....	0	.....
55	Norwich Free Academy.....	6,000	15,645	3,000	.....	175,000	10,000	0	27,000
56	McLean Seminary.....	600	50	200	15,000	.....	.....	.....	.....
57	Seaside Seminary.....	700	32,40,48	30	6,000	0	0	0	0
58	Connecticut Literary Institution.	1,700	36	.....	100,000	45,000	.....	0	5,000
59	Wilton Academy.....	.....	.....	.....	.....	.....	.....	.....	.....
60	Parker Academy.....	.....	40-50	.....	2,000	.....	.....	.....	.....
61	Woodstock Academy.....	500	25	50	.....	12,000	600	.....	2,500
	DAKOTA.								
62	Arvilla Academy.....	400	24	200	5,000	.....	.....	\$475	.....
63	Augustana College.....	400	18	.....	9,000	18,000	1,260	.....	1,350
64	St. Bernard's College.....	1,000	5-30	.....	27,000	.....	.....	.....	.....
65	Groton Collegiate Institute.	500	37	.....	25,000	.....	.....	0	.....
66	Jamestown College.....	205	36	0	.....	.....	.....	.....	.....
67	Redfield College.....	300	30	.....	25,000	.....	.....	914	7,500
68	Scotland Academy.....	50	22	.....	7,000	.....	.....	650	200
69	All Saints School.....	300	26	200	40,000	0	0	0	.....
70	University of Sioux Falls.	400	26	600	55,000	10,000	500	.....	.....
	DELAWARE.								
71	Wilmington Conference Academy.	1,500	45	200	60,000	.....	.....	.....	.....
72	Milford Classical School.....	0	34	0	4,000	0	0	0	0
73	Academy of Newark.....	1,600	40	1,600	15,000	7,000	350	.....	.....
74	Friends' School.....	200	47	600	50,000	.....	.....	0	.....
	DISTRICT OF COLUMBIA.								
75	Friends' Select School.....	500	70-110	250	60,000	0	.....	0	0
76	St. Cecilia's Academy.....	700	12-48	4	.....	.....	.....	0	.....
	FLORIDA.								
77	East Florida Seminary.....	1,000	25	.....	35,000	46,150	2,848	0	0
78	Cookman Institute.....	800	20	200	15,000	.....	600	0	400
79	Convent of Mary Immaculate.	250	20	.....	75,000	.....	.....	0	.....
80	Florida Institute.....	1,500	8	100	7,000	0	0	0	.....
81	Seminary West of the Suwannee River.	.....	0	200	12,000	75,000	4,700	7,500	.....
	GEORGIA.								
82	Acworth High School.....	.....	10-30	.....	3,000	.....	.....	200	.....
83	West End Academy.....	350	15	50	10,000	0	0	300	0

\* Statistics of 1887-88.

α Includes board.

β For non-residents.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	GEORGIA—continued.								
84	Attapulgus High School.....		\$25		\$1,000	0	0	\$150	0
85	Sacred Heart Academy.....	600	14		50,000		\$4,000	1,530	
86	Bairdstown Academy*.....		20		600			175	\$5
87	Bluffton High School.....		18		2,000			136	
88	Boston Institute.....	0	24		800				
89	Byron High School.....	0	20-30	0	1,500	0	0	200	0
90	West End Institute.....	0	15-30	0	2,500	0	0	120	0
91	Hearn Institute.....	100	40	\$300	15,000	\$10,000	400		
92	St. Mary's Institute.....	0	25	0	3,000	0	0	100	0
93	Walnut Grove Male and Female School.....		15-30					260	
94	Ebenezer College.....	100	25	30	8,000				
95	Wynnton College.....	0	36	0	7,000	0	0	180	0
96	Crawford Academy.....	0	20-30		2,000			200	
97	South Georgia Male and Female College.*.....	250	30	200	10,000			400	
98	Eastman Academy.....	0	25	0	2,000	0	0	225	0
99	Male and Female Academy.....	0	15		10,000			534	
100	Ellijay Academy.....	150	10-20		6,000			57	
101	Male and Female Institute.....		20-30		3,000	0	0	400	
102	Oak Grove Academy.....	0	20		600			300	
103	Greshamville Academy.....		15-30	500	2,000			210	
104	Harlem High School.....		12-18		3,000			550	
105	Hartwell High School.....	100	15-40		5,000			225	
106	Planters' High School.....	0	10		500	0	0	212	0
107	Hoshton High School.....		15, 20		800			300	
108	Talmage Institute.....	0	25		2,000			300	
109	Lawrenceville Seminary.....	0	25	800	4,500	0	0		0
110	Meson Academy.....	100	15, 20, 25	50	4,000	3,000	250	200	
111	Lost Mountain Academy.....		9-18		500			125	
112	Male and Female Institute.....	20	20-30	25	3,000			205	
113	Marshallville High School.....	150	30	50	4,000			300	
114	Monticello High School.....		25		1,200				
115	Norcross High School.....		14-21	250	2,000			200	0
116	Palmetto High School.....	0	12-30	0	1,000	0	0	0	0
117	Houston Male and Female High School.....	0	13-36	0	2,500	0	0	660	1,560
118	Powder Springs High School.....	0	20		500	0	0	0	
119	Male and Female School.....	0	16		250			120	
120	Glenn Holley Academy.....		20		300	0	0	140	0
121	Quitman Academy.....	0	20-40		3,000				
122	Male and Female Institute.....	0	15-25		2,500			120	
123	Ringgold Academy.....	0	20	20	6,500	0	0	150	0
124	Rutledge High School.....		26		1,000			300	
125	Excelsior High School.....		9-22		1,000			300	
126	Shady Dale Academy.....	0	25	0	2,000	0	0	0	0
127	Sharon High School.....	0	20		600			300	
128	Sharpsburgh Academy.....								
129	Smyrna School.....	0	20		1,500				
130	Macon District High School.....	0	25		1,800			220	
131	Male and Female Academy.....		25	200	2,500			200	
132	Stellaville High School.....	0	18	0	1,500	0	0	250	0
133	Stone Mountain High School.....	0	28	50				300	
134	Sumach Seminary.....	50	10-20	0	2,500			200	
135	Temple Academy.....		22		750			180	
136	Tennille High School.....	0	15-35		3,500			400	

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	GEORGIA—continued.								
137	R. E. Lee Institute .....	200	\$7-14	\$150	\$10,000	.....	.....	\$440	.....
138	McDuffie Institute .....	0	20-40	.....	1,000	.....	.....	200	.....
139	Turin High School .....	0	12-30	0	300	0	0	250	0
140	Villa Rica High School .....	0	12-30	.....	1,000	.....	.....	250	0
141	Rheinhardt Normal School .....	0	10-30	0	2,500	0	0	150	0
142	Walthourville Academy .....	0	24	0	1,500	0	0	0	0
143	Dawson Institute .....	0	24	.....	5,000	.....	.....	225	.....
144	Whitesburgh Academy* .....	.....	25	0	1,000	.....	.....	140	.....
145	High School .....	0	20	0	1,500	0	0	150	.....
146	Woodville High School .....	0	16	.....	300	0	0	240	.....
147	"Nannie Lou Warthen" Institute.	0	23	0	5,500	.....	.....	284	.....
	ILLINOIS.								
148	Aledo Academy .....	200	30	1,000	5,000	0	0	200	0
149	Union Academy of Southern Illinois.	400	31	300	5,000	\$1,500	\$84	.....	\$288
150	Jennings Seminary .....	400	34	1,000	60,000	.....	.....	.....	1,000
151	St. Agnes' School .....	150	0	.....	40,000	.....	.....	.....	300
152	Bunker Hill Academy .....	500	200	500	3,000	0	.....	0	0
153	Evangelical Lutheran Immanuel School.	.....	10	.....	30,000	.....	.....	.....	.....
154	College of Northern Illinois.	600	34	.....	7,000	.....	.....	.....	.....
155	St. Teresa's Academy .....	400	5-10	.....	6,000	.....	.....	.....	.....
156	Du Quion Seminary .....	5,000	25	1,000	10,000	.....	.....	.....	.....
157	Elgin Academy .....	250	30	300	35,000	.....	.....	.....	.....
158	Hayward Collegiate Institute.	400	32	.....	15,000	.....	.....	.....	.....
159	St. Joseph's Academy* .....	29	12	67	25,150	.....	.....	.....	.....
160	Geneseo Collegiate Institute.	300	34	200	30,000	7,500	450	.....	3,333
161	Glittings Seminary* .....	.....	20	200	20,000	15,000	800	.....	.....
162	Lee's Academy* .....	1,500	30	.....	4,500	.....	.....	.....	.....
163	Normal and Scientific Academy.	.....	40	.....	5,000	.....	.....	0	.....
164	Mt. Morris College .....	25,000	33	.....	20,000	.....	.....	.....	.....
165	Port Byron Academy .....	200	24	300	12,000	30,000	1,500	0	300
166	Bettie Stuart Institute .....	500	50	500	30,000	.....	.....	.....	.....
167	Toulon Academy .....	0	21	0	1,000	.....	.....	.....	1,004
168	Vermilion Academy .....	200	18	50	4,000	9,000	720	0	0
	INDIANA.								
169	Friends' Bloomingdale Academy.	500	24,30	200	8,000	6,000	400	0	0
170	Fairmount Academy .....	224	27	250	12,000	.....	.....	.....	.....
171	Mrs. Price's School .....	.....	50	.....	.....	.....	.....	.....	.....
172	Marengo Academy .....	.....	31	.....	2,000	0	0	0	0
173	Roanoke Classical Seminary.	137	21	20	3,000	.....	.....	.....	.....
174	Spiceland Academy .....	2,500	15-40	500	10,000	5,000	200	2,800	.....
175	Vincennes University .....	4,340	20-16	400	25,000	49,200	3,800	.....	.....
176	Union High School .....	.....	20-31	.....	.....	5,000	400	0	.....
	INDIAN TERRITORY.								
177	Indian University .....	500	13	.....	30,000	.....	.....	.....	870
178	Harrell International Institute.	200	15-20	0	25,000	.....	.....	.....	.....
179	Worcester Academy .....	200	15	20	10,000	0	0	0	517

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
IOWA.									
180	Ackworth Institute*.....	400	\$24	\$50	\$3,600	.....	.....	.....	.....
181	Albion Seminary.....	750	28	.....	15,000	.....	.....	.....	.....
182	Birmingham Academy...	200	25	.....	25,000	.....	.....	.....	.....
183	Normal and Scientific Institute.	1,200	32	300	5,000	.....	.....	.....	.....
184	First German Evangelical School.	.....	9	.....	20,000	.....	.....	.....	.....
185	German Evangelical Zion School*.....	.....	8	.....	20,000	.....	.....	.....	.....
186	Decorah Institute.....	700	32	.....	4,000	.....	.....	.....	.....
187	Denmark Academy.....	1,500	27	700	20,000	\$15,000	.....	0	.....
188	Hull Educational Institute.	700	20	100	16,000	14,500	\$1,430	0	\$8,300
189	Iowa City Academy.....	.....	32	300	.....	.....	.....	0	75
190	Jefferson Academy.....	.....	24	250	5,000	.....	.....	.....	.....
191	Knoxville Academy*.....	.....	20,30	.....	.....	.....	.....	0	.....
192	Friends' Academy*.....	606	22	50	8,000	0	0	0	25
193	New Providence Academy.....	200	25	100	7,500	.....	.....	0	2,500
194	Hazel Dell Academy.....	800	24	.....	5,000	.....	.....	.....	.....
195	St. Boniface's School.....	.....	5	.....	12,000	.....	.....	.....	.....
196	North Western Classical Academy.	1,200	10	100	7,000	.....	3,500	.....	2,850
197	Cedar Valley Seminary...	800	27	300	30,000	6,000	300	0	2,500
198	St. Ansar Academy.....	200	23	.....	4,000	.....	.....	.....	.....
199	Whittier College.....	.....	20	.....	20,000	.....	.....	.....	5,000
200	Tilford Collegiate Institute.	700	24	150	20,000	.....	.....	.....	.....
201	Washington Academy...	.....	27,32	10	20,000	0	.....	.....	.....
202	Norton Normal and Scientific Academy.	1,200	40	600	16,000	.....	.....	.....	0
KANSAS.									
203	Harrison Normal College.	200	36	.....	.....	.....	.....	.....	.....
204	Southern Kansas Academy.	1,050	19-25	100	15,000	.....	.....	.....	754
205	Kansas Christian College.	200	18	.....	12,000	2,500	150	.....	3,600
206	Friends' Academy.....	175	27	150	6,500	40	.....	.....	135
207	Lewis Academy.....	115	20-40	175	75,000	1,000	80	.....	.....
208	Southwest Kansas College	200	25	100	50,000	30,000	3,000	0	0
KENTUCKY.									
209	Male and Female Institute.	0	30	2,000	10,000	0	0	0	0
210	East Lynn College.....	50	15-35	75	50,000	.....	.....	\$225	.....
211	Fredonia Seminary.....	0	25	.....	2,500	.....	.....	260	.....
212	The Welch High School.	.....	32	.....	8,000	.....	.....	.....	.....
213	Henderson High School.....	210	30	50	.....	.....	.....	.....	.....
214	Hiseville Institute.....	0	18-25	.....	1,500	.....	.....	450	.....
215	Jackson Academy.....	1,500	20	.....	6,000	0	0	200	0
216	La Fayette High School.....	.....	20-40	50	2,000	.....	.....	145	.....
217	Grayson Seminary.....	.....	20,30,40	0	400	0	0	0	0
218	Presentation Academy.....	300	40	.....	.....	.....	.....	0	.....
219	Browder Institute.....	0	20-40	25	4,000	.....	.....	200	0
220	Princeton Collegiate Institute.	1,500	42	100	40,000	8,000	415	0	2,099
221	Miss Sevier's School.....	.....	15-30	.....	.....	.....	.....	.....	.....
222	Sharpsburg Male and Female College.	.....	20-40	.....	.....	.....	.....	.....	.....
223	West Kentucky Classical and Normal College.	485	40	300	4,500	0	0	0	0
224	Rose Hill Seminary.....	.....	30-50	.....	.....	.....	.....	.....	.....
225	Wallonia Institute.....	1,300	20	60	1,400	.....	.....	250	25

\* Statistics of 1887-88.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION C.—*Private schools for both sexes.*—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	1	16	17	18	19	20	21	22	23
	KENTUCKY—continued.								
226	Winchester Collegiate Academy.	500	\$30-60	.....	\$10,000	0	0	0	0
227	Wingo College .....		15-40	.....					
	LOUISIANA.								
228	Male and Female College.	25	10-40	\$15	3,000	0	0	0	0
229	St. Mary's School .....		20, 30, 40		800	0			
230	Male and Female College.		15-30		3,500			\$1,000	
231	Mt. Lebanon College .....		10-40						
232	Columbian Institute .....	300	30-70		6,000				0
233	German Evangelical Protestant School.		12		3,500	0	0		
234	Picard Institute .....	70	20-100		15,000				
235	Gilbert Academy .....	1,000		100	70,000			410	\$10,000
	MAINE.								
236	Gould Academy .....	400	21-28		7,000	\$1,500		0	0
237	East Maine Conference Academy.	4,000	24	1,500	30,000	25,500	\$2,000		
238	Union Academy .....	75	9		2,800	2,300	118	0	
239	Greely Institute .....	660	10-15	200		20,000			162
240	Freedom Academy .....	0	30-50		1,000	0		0	
241	Fryeburg Academy .....	500	15-21	100	8,000	12,000	700		400
242	Gardiner High School* .....	150	21	350				250	
243	Pennell Institute .....	350	24	500	20,000	30,000	1,200	800	0
244	Hampden Academy .....	550	15	150	5,000	1,300	75	260	0
245	Ricker Classical Institute.	600	20, 24	150	50,000	40,000	2,400	1,100	
246	Limington Academy .....	200	10	100	3,000	800	40		
247	Lincoln Academy .....	100	15-24	500	8,000	10,000	700		
248	English and Classical Institute.	250	24	100					
249	Norway High School .....	350	12	50	10,000	0	0	250	0
250	Maine Central Institute .....	600	30		25,000	10,000	600		
251	St. John's English and Classical School.	100	24	250					250
252	May School .....	350	12		1,800	0	0	0	5
253	Coburn Classical Institute.	351	24	500	50,000	52,000	3,120	0	500
254	Wilton Academy .....	200	18	100		0	0	750	0
	MARYLAND.								
255	Friends' Elementary and High School.	2,500	50-100	2,500	30,000	0	0	0	0
256	Brookeville Academy .....		30		10,000			600	
257	Holy Trinity School .....								
258	Allegany County Academy.		20-40	300				800	
259	Andrew Small Academy .....	100	24-32		20,000	18,000	700	0	0
260	Friends' Select School .....	50	20, 23, 32	15	2,000				
261	Elkton Academy .....	0	32		3,000				
	MASSACHUSETTS.								
262	Punchard Free School .....	200	0	400		75,205	4,487		89
263	Cushing Academy .....	2,250	25	1,000	95,897	120,976	8,100		10,000
264	Powers Institute .....	5,000	21	600	5,000	5,000	400		75
265	Howe School .....	300	12	250	6,500	23,000	1,380	0	0
266	Houghton School* .....	0	12	0	2,000	12,000	702		0
267	Berkeley School .....		80-250	300		0	0	0	
268	Chauncy Hall Private School.	600	200	1,000	110,000				

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	MASSACHUSETTS—cont'd.								
269	Hitchcock Free High School.	1,800	0	\$850	\$12,000	\$85,000	\$4,228	0	0
270	Everett School .....	.....	\$80-100	0	.....	.....	.....	0	0
271	Private School for Boys and Girls.	.....	40-120	.....	.....	.....	.....	.....	.....
272	Deerfield Academy* .....	.....	18	800	23,000	.....	.....	0	.....
273	Nichols Academy .....	2,300	25	6,000	50,000	8,000	480	\$1,000	.....
274	Partridge Academy .....	300	20	400	10,000	25,000	1,200	400	.....
275	B. M. C. Durfee High School.	1,000	.....	5,000	500,000	50,000	2,500	.....	.....
276	Lawrence Academy .....	20	18	300	3,000	10,000	600	.....	0
277	Dean Academy .....	600	20	500	200,000	50,000	3,000	0	0
278	Lawrence Academy .....	2,500	31	1,000	75,000	2,300	1,600	0	0
279	Hanover Academy .....	200	28	50	4,000	1,500	100	.....	.....
280	Smith Academy .....	300	12-27	1,000	23,000	55,000	3,800	.....	.....
281	Derby Academy .....	200	6-20	150	5,000	28,500	2,000	0	0
282	Tabor Academy .....	0	15	500	20,000	.....	.....	.....	.....
283	Eaton School .....	.....	40	.....	10,000	0	0	0	0
284	Milton Academy .....	400	60-120	200	50,000	75,000	2,175	0	\$1,000
285	Monson Academy .....	1,500	21-27	1,000	30,000	30,000	1,500	.....	.....
286	Admiral Sir Isaac Coffins Lancasterian School.	1,200	8	700	10,000	45,000	2,200	0	0
287	Mrs. Potter's Home School.	.....	75	.....	.....	.....	.....	0	.....
288	Friends' Academy .....	1,000	100,125,150	250	25,000	.....	.....	0	.....
289	Putnam Free School .....	200	0	1,000	40,000	50,000	.....	0	.....
290	New Salem Academy .....	0	19	150	5,000	4,000	.....	0	0
291	Private School .....	50	60	10	.....	.....	.....	.....	.....
292	Private School .....	.....	100-150	.....	.....	.....	.....	.....	.....
293	Arms Academy .....	180	24-27	2,152	17,612	27,749	1,682	.....	1,000
294	Thayer Academy .....	485	175	1,000	150,000	250,000	12,000	0	0
295	South Lancaster Academy.	.....	144	.....	40,000	0	0	0	2,000
296	Bristol Academy .....	500	40-80	.....	.....	.....	.....	.....	.....
297	Westford Academy .....	300	18	150	4,000	45,000	2,250	0	0
298	English and Classical School.	500	125	2,500	15,000	0	0	0	0
299	Wesleyan Academy .....	5,300	21-35	3,200	126,356	12,000	720	.....	1,070
	MICHIGAN.								
300	Raisin Valley Seminary ..	500	25	3,000	30,000	20,000	1,400	0	.....
301	St. Joseph's Academy .....	.....	5,10	.....	20,000	.....	2,000	.....	.....
302	Oakside School .....	300	32	.....	3,000	.....	.....	0	.....
303	Sacred Heart Academy .....	700	.....	.....	.....	.....	.....	.....	.....
304	Spring Arbor Seminary .....	425	12-24	300	12,000	0	0	0	.....
	MINNESOTA.								
305	Minneapolis Academy .....	200	42	125	.....	0	0	0	0
306	Western Minnesota Seminary.	125	25	.....	.....	.....	.....	.....	.....
307	Pillsbury Academy .....	1,000	19-25	.....	100,000	45,000	2,700	0	40,000
308	Assumption School .....	250	5-10	75	75,000	0	0	0	0
309	Baldwin Seminary .....	1,000	50-94	200	.....	.....	.....	.....	0
310	Gustavus Adolphus College.	5,400	22-45	400	40,000	0	0	0	.....
311	Wesleyan Methodist Seminary.	500	12-21	50	8,000	20,000	600	.....	2,000
312	Minnesota Lutheran Seminary.	250	25	.....	20,000	.....	.....	.....	.....
	MISSISSIPPI.								
313	Beth Eden Collegiate Institute.	450	13-27	.....	600	0	.....	110	.....

\* Statistics of 1887-88.

a To non-residents.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	MISSISSIPPI—continued.								
314	Winona District High School.	600	\$35	-----	\$4,000	-----	-----	\$400	0
315	Booneville Institute.....	500	20-40	-----	10,000	0	-----	500	0
316	Cooper Normal College.....	4,127	40	\$150	10,000	-----	-----	-----	-----
317	Jasper Normal High School.	400	15-40	100	2,000	-----	-----	350	-----
318	Gulf Coast College.....	194	30	-----	5,000	-----	-----	-----	-----
319	Harperville College.....	700	50	450	5,500	-----	-----	293	-----
320	Jackson Collegiate Academy.	-----	40-50	-----	6,000	-----	-----	-----	-----
321	Lexington Normal College.	2,000	30-40	500	34,000	-----	-----	-----	0
322	Meridian Academy.....	30	7-10	-----	2,000	-----	-----	-----	\$200
323	Cool Springs Academy.....	25	5	-----	500	-----	-----	-----	-----
324	Male and Female College.	0	20-40	-----	2,000	0	0	380	0
325	do*.....	150	20-40	0	3,000	0	0	480	-----
326	Sylvarena High School.....	600	15-40	-----	1,000	0	-----	320	-----
327	North Mississippi College.	0	25-50	-----	-----	0	0	483	0
	MISSOURI.								
328	Watson Seminary.....	800	20-40	-----	2,500	\$10,500	\$800	0	-----
329	Aurora Springs Academy.	-----	20	-----	4,000	1,700	700	248	-----
330	Cooper Institute.....	500	40	-----	10,000	-----	-----	-----	-----
331	Brashear Academy.....	200	18	-----	2,500	-----	-----	440	-----
332	Brookfield College*.....	1,200	29	100	15,000	-----	-----	-----	150
333	Butler Academy.....	170	23	250	10,000	-----	-----	250	-----
334	Bellevue Collegiate Institute.	700	20-40	100	20,000	-----	-----	-----	250
335	Mrs. Tiernan's Home School.	-----	-----	-----	-----	-----	-----	-----	-----
336	Cassville Collegiate Institute.	-----	20	50	2,000	-----	-----	1,800	-----
337	Clarksburg College*.....	100	30	25	4,000	0	0	0	0
338	Hooper Institute.....	1,000	34	100	6,000	0	0	0	20
339	Clinton Academy.....	350	25-40	160	5,000	0	0	0	-----
340	College Mound Institute.....	-----	20	-----	5,000	-----	-----	337	-----
341	St. Joseph's Academy.....	-----	10	-----	-----	-----	-----	-----	-----
342	Farmington Baptist College.	0	15-30	100	7,000	0	0	0	0
343	English Concordia College.	-----	16-18	100	2,000	0	-----	0	-----
344	Ozark College.....	300	33-48	-----	15,000	-----	-----	-----	-----
345	Henderson Academy.....	100	24	0	2,000	0	0	200	-----
346	Houston Institute.....	1,200	25	500	6,000	-----	-----	-----	-----
347	Humphreys College.....	-----	20	-----	6,000	-----	-----	-----	-----
348	German-English School.....	50	13-25	30	45,000	12,000	720	-----	-----
349	Glendale Institute.....	160	80	250	1,200	-----	-----	-----	-----
350	Western Academy.....	1,000	30	300	7,000	-----	-----	-----	-----
351	McCune College.....	2,500	20-50	-----	10,000	-----	-----	-----	-----
352	Mayfield-Smith Academy.....	0	25	-----	6,000	0	0	0	0
353	Marionville Collegiate Institute.*	400	32	40	8,000	-----	-----	-----	-----
354	Oaklawn College.....	300	27	150	3,500	-----	-----	-----	-----
355	Odessa College.....	200	30	50	10,000	0	0	0	0
356	Otterville College.....	120	35	100	4,000	0	0	0	0
357	Centenary High School.....	-----	25-50	200	5,000	0	0	0	0
358	St. Joseph's School.....	80	10	-----	6,000	-----	-----	0	-----
359	St. Paul's College.....	2,000	20-40	-----	10,000	-----	-----	-----	-----
360	Park College Academy.....	-----	15	-----	-----	-----	-----	-----	-----
361	Faynesville School Institute.	1,500	30-60	600	10,000	-----	-----	-----	-----

\* Statistics of 1887-88.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION C.—*Private schools for both sexes.*—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	MISSOURI—continued.								
362	Pilot Grove Collegiate Institute.	1,000	\$40	\$300	\$18,000	0	0	-----	\$200
363	Plattsburg College.....	3,000	42	100	10,000	-----	-----	-----	-----
364	Van Rensselaer Academy.	-----	24	-----	2,500	0	0	0	0
365	Mountain Dale Seminary.	-----	20	-----	1,200	-----	-----	-----	-----
366	Miller County Institute..	-----	24	-----	12,000	-----	-----	0	0
367	Weaubleau Christian Institute.	200	23	100	3,000	0	0	-----	-----
	NEBRASKA.								
368	Blake School.....	450	30	-----	2,500	-----	-----	-----	-----
369	Franklin Academy.....	1,400	18-23	300	15,000	\$3,000	\$300	0	3,500
370	Hastings College.....	1,500	23	400	60,000	-----	-----	-----	-----
371	Oakdale Seminary.....	0	15	0	9,000	0	0	0	-----
372	St. John's School.....	-----	-----	-----	15,000	-----	-----	-----	-----
373	Luther Academy.....	600	25	100	15,800	0	0	0	\$40
	NEW HAMPSHIRE.								
374	Proctor Academy.....	500	18-24	250	20,000	-----	-----	-----	-----
375	Atkinson Academy.....	1,400	18, 21, 24	-----	6,000	8,000	400	\$300	-----
376	Candia Village High School.	-----	-----	-----	-----	-----	-----	-----	-----
377	Pinkerton Academy.....	730	18	1,000	60,000	200,000	14,000	0	0
378	Colbrook Academy.....	100	8-12	-----	3,000	1,000	60	-----	-----
379	Watson Academy.....	300	18	100	5,000	3,000	-----	0	-----
380	Gilmanton Academy.....	900	15-18	-----	15,000	-----	-----	0	100
381	Hampton Academy.....	-----	15-18	150	-----	2,000	120	-----	-----
382	Haverhill Academy.....	150	18-20	-----	2,000	-----	-----	-----	-----
383	Sanborn Seminary.....	150	15	1,500	60,000	130,000	6,000	0	25
384	Lancaster Academy*.....	-----	23	200	5,000	2,000	80	0	0
385	McCullom Institute.....	1,300	13-24	900	10,000	15,000	700	300	-----
386	New Hampton Literary Institution.	4,000	22-28	-----	30,000	20,000	1,200	0	0
387	Colby Academy.....	2,770	21-30	750	100,000	86,000	5,143	0	1,279
388	Coe's Northwood Academy.	500	20	125	10,000	10,000	530	0	60
389	Northwood Seminary.....	500	18	-----	5,000	-----	-----	-----	1,200
390	Pembroke Academy.....	-----	17-21	200	5,000	20,300	1,230	0	0
391	Sraith's Academy.....	-----	-----	-----	-----	-----	-----	-----	-----
392	McGaw Normal Institute.	550	24	200	15,000	10,000	525	500	-----
393	Barnard School.....	0	-----	0	1,000	4,400	220	0	0
394	Austin Academy.....	-----	9-15	-----	1,500	4,500	180	-----	-----
395	Simonds Free High School	700	a 15	680	11,000	23,000	1,380	-----	-----
396	Brewster Free Academy.	250	0	500	40,000	800,000	17,000	-----	-----
	NEW JERSEY.								
397	Belvidere Academy.....	0	40-60	0	4,000	0	0	0	175
398	Farnum Preparatory School.	-----	12-46	-----	20,000	2,400	1,200	1,200	-----
399	Blair Presbyterian Academy.	1,000	40	50	50,000	150,000	9,000	0	-----
400	South Jersey Institute...	1,500	40, 50	500	75,000	2,500	-----	0	0
401	Westfield Friends' Institute.	-----	20-40	-----	2,500	4,100	246	0	-----
402	Braner Institute*.....	750	b 250	100	12,000	0	-----	-----	-----
403	Seeley's Home School.....	-----	-----	-----	8,000	-----	-----	-----	-----
404	Elizabeth Institute.....	700	b 300	-----	-----	-----	-----	-----	-----
405	Centenary Collegiate Institute.	1,300	42	500	225,000	-----	-----	-----	-----

\* Statistics of 1887-88.

a To non-residents.

b Includes board.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	NEW JERSEY—continued.								
406	Peddle Institute .....	3,500	\$30-50	\$7,000	\$150,000	\$70,000	.....	0	\$49,000
407	Hoboken Academy .....	.....	22-80	.....	20,000	.....	.....	.....	.....
408	Hopewell Seminary .....	300	20-120	.....	16,000	0	0	0	0
409	Hasbrouck Institute .....	1,000	100	500	.....	0	0	0	0
410	Glenwood Collegiate Institute.	1,000	50	400	17,500	0	0	0	0
411	Mooretown Friends' Academy.	2,000	24-40	200	5,000	.....	.....	.....	.....
412	Newton Collegiate Institute.	400	20-60	500	12,000	.....	.....	.....	.....
413	Dearborn-Morgan School.	200	48-180	225	31,000	0	0	0	0
414	Pennington Seminary .....	1,000	250	300	120,000	0	0	0	0
415	Salem Friends' School .....	.....	24-40	10	3,000	10,000	\$600	0	.....
416	Somerville Classical School.	400	40, 50, 60	100	6,000	0	0	0	.....
417	South Orange Academy .....	.....	40-100	.....	12,200	.....	.....	.....	.....
418	Deptford School .....	100	40	75	.....	.....	.....	.....	.....
	NEW MEXICO.								
419	Albuquerque Academy .....	200	20	.....	5,000	.....	.....	\$2,100	.....
420	Academy of the Visitation.	300	30	200	30,000	0	0	0	0
421	Las Cruces College .....	0	40	.....	3,000	.....	.....	.....	.....
422	Las Vegas Academy .....	500	22	50	10,000	0	0	0	.....
423	Las Vegas Seminary .....	400	25	.....	18,000	.....	.....	.....	1,400
424	Santa Fé Presbyterian Academy.	0	28, 19	40	.....	.....	.....	0	0
	NEW YORK.								
425	Adams Collegiate Institute.	701	37	702	47,000	.....	.....	1,067	.....
426	Amenia Seminary .....	1,500	20-80	500	8,000	0	0	0	.....
427	Amsterdam Academy .....	400	56	500	36,000	0	.....	0	0
428	Ives Seminary .....	1,500	30	350	31,133	1,200	350	750	600
429	Argyle Academy .....	968	20-24	395	3,500	.....	.....	29	.....
430	Bainbridge Union School and Academy.	842	19	770	13,000	.....	.....	3,521	.....
431	Bedford Academy .....	.....	40	.....	2,500	0	0	0	0
432	Union Academy of Belleville.	1,673	25-36	782	19,850	35,000	1,523	355	100
433	Adelphi Academy .....	1,733	108	5,000	370,000	0	0	397	160,000
434	Chenevière Institute .....	.....	9-31	.....	17,000	.....	.....	.....	.....
435	Canisteo Academy .....	525	24	500	16,000	2,000	120	1,120	.....
436	Cazenovia Seminary .....	3,000	21-33	3,518	73,800	30,000	1,627	1,118	6,252
437	Chappaqua Mountain Institute.	.....	a 176	.....	78,000	0	0	0	.....
438	Cherry Valley Academy .....	0	9-24	25	3,500	0	0	0	.....
439	Claverack College and Hudson River Institute.	1,355	30	701	44,319	0	0	.....	.....
440	Clifton Springs Seminary .....	1,500	28	50	15,000	.....	.....	0	0
441	Poppenhusen Institute .....	2,222	0	.....	60,000	72,000	3,760	0	0
442	Delaware Academy .....	2,000	36	900	30,000	.....	.....	975	3,100
443	Dundee Preparatory School.	168	24	700	8,000	0	0	400	.....
444	Starkey Seminary .....	961	24	718	23,300	1,800	98	726	.....
445	Munro Collegiate Institute.	900	21	1,022	218,000	12,000	2,000	300	300
446	Fairfield Seminary .....	6,824	40	5,000	25,000	.....	.....	1,243	.....
447	Mt. Beacon Academy .....	.....	50	.....	18,000	.....	.....	.....	.....
448	Erasmus Hall Academy .....	1,800	24-40	400	20,000	6,000	450	0	0
449	S. S. Seward Institute .....	280	16-30	100	.....	20,000	.....	0	0
450	Clinton Liberal Institute.	4,000	30	1,500	90,000	25,000	1,750	390	1,000

\* Statistics of 1887-88.

a Includes board.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	NEW YORK—continued.								
451	Delaware Literary Institute.	1,500	\$24-36	\$1,000	\$27,000	0	0	\$800	0
452	Friendship Academy . . . . .	100	12, 18					700	
453	Gilbertsville Academy . . . . .	546	18-27	310	6,318	\$2,941	\$170	303	\$28
454	Union School and Academy.	800	20	200	20,000			1,200	
455	Greenville Academy . . . . .	460	18-30	515	3,300	0	0	147	
456	Greenwich Union School . . . . .	1,400	15-24	1,000	15,000			2,000	
457	Hartwick Seminary . . . . .	4,000	29	680	33,102	54,267	2,800	207	35,000
458	Cook Academy . . . . .	1,728	20-40	838	104,000			331	2,495
459	Cascadilla School . . . . .		90-150						
460	Le Roy Academic Institute.	1,000	9-50	500	25,000	6,000	360	330	
461	Genesee Wesleyan Seminary.	6,000	0	5,274	65,000	65,828	3,667	999	1,213
462	Friends' Academy . . . . .	1,200	20	800	32,000	100,000			
463	Macedon Academy . . . . .	300	22	400	4,500			712	
464	Marion Collegiate Institute.	487	15-24	1,224	15,240			928	
465	Florence Institute . . . . .	558	18	421	18,000			283	
466	Mexico Academy . . . . .	1,715	10-60	684	14,000			470	
467	Sherman Academy . . . . .	200	12	300	7,600	26,850	1,688	455	
468	Nanuet Home School . . . . .							0	0
469	Nassau Academy . . . . .	62	18-30	200	6,000			0	0
470	Friends' Seminary . . . . .		48-160	1,500					
471	Heidenfeld Institute . . . . .		150	300	30,000			0	0
472	Heywood Institute . . . . .		60-250		30,000				
473	Lenox Institute . . . . .		80-280	0	50,000	0	0	0	0
474	Riverside School . . . . .		50						
475	St. Matthew's Academy . . . . .		20-40	250	30,000	0	0		
476	Rockland College . . . . .	428	60		30,000	0	0		0
477	Oxford Academy . . . . .	1,500	21	774	12,705	7,034	450	750	573
478	Westchester County Institute.	800	60	0	10,000	0	0	0	0
479	Evans Academy* . . . . .	345	6-15	240	9,000	15,000	977	11	
480	Pike Seminary . . . . .	500	23	500	2,000	20,000	1,200	1,200	
481	Seymour Smith Academy . . . . .	491	24-54	261	13,804	0		119	0
482	Pompey Academy . . . . .	390	18-24	256	5,400			221	
483	Quincy School . . . . .		40-60		4,000				
484	St. Mary's School . . . . .		15						
485	Pulaski Academy . . . . .	500	25	500	18,477			400	
486	Chamberlain Institute . . . . .	1,200	21	1,200	65,000	38,000	2,200		
487	Red Creek Union Seminary.	400	20	400	10,000			1,404	
488	DeGarmo Institute . . . . .	0	36	3,000	25,000	0	0	0	
489	Saugerties Institute . . . . .		20		6,500				
490	Sauguit Academy . . . . .	300	24	265	4,200			310	
491	Sherman Union School and Academy.	645	15	506	11,200				
492	Sodus Academy . . . . .	277	21	539	3,520			800	
493	Southold Academy . . . . .		21						
494	Griffith Institute . . . . .	500	9-24	704	21,000	12,000	565	2,629	
495	Stamford Seminary . . . . .	2,000	24	700	7,000			1,501	
496	Staten Island Academy . . . . .	3,900	80		26,000				
497	Unadilla Academy . . . . .	450	21	341	6,000	10,000	600		
498	Walworth Academy . . . . .		18	250	8,000	800	48	156	
499	Wilton Seminary . . . . .	180	15-30		6,000	0	0		
500	Yates Academy . . . . .	287	5-7	200	3,200	0	0	0	18
	NORTH CAROLINA.								
501	Albemarle Academy . . . . .	200	30		1,000				
502	Pamlico Male and Female Institute.		15-30						

\* Statistics of 1887-88.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	NORTH CAROLINA—cont'd.								
503	Belvidere Academy .....	25	\$16-22	-----	\$1,000	-----	-----	0	0
504	Holt's School .....	0	10-20	-----	-----	-----	-----	-----	-----
505	Cana Academy .....	0	20	-----	1,000	-----	-----	\$100	-----
506	Cary Collegiate School .....	900	15-50	\$30	3,000	-----	-----	-----	\$50
507	Trinity School .....	-----	50	-----	1,500	-----	-----	0	-----
508	Cedar Grove Academy* .....	-----	25-40	-----	450	0	0	-----	-----
509	Concordia College .....	150	25	50	5,000	0	0	0	0
510	Elizabeth City Academy .....	100	30	100	5,000	-----	-----	-----	-----
511	Richmond Training School .....	70	10, 12, 15	-----	600	-----	-----	400	500
512	Enochville High School* .....	-----	12	-----	506	-----	-----	160	-----
513	Farmers' Academy .....	-----	15-30	-----	1,200	0	0	100	-----
514	Farmville Seminary .....	40	20-40	0	2,500	0	0	0	0
515	Fork Academy .....	200	20-30	50	2,000	-----	-----	-----	-----
516	Fremont Institute .....	100	25	-----	4,500	-----	-----	-----	300
517	Germanton Institute .....	-----	20	-----	1,000	-----	-----	-----	-----
518	Glenwood High School .....	530	10-30	-----	-----	-----	-----	-----	-----
519	Elon College .....	-----	45	-----	30,000	-----	-----	-----	-----
520	Male and Female Institute .....	100	10-20	0	10,000	0	0	0	0
521	High Point Classical Institute* .....	0	15-40	25	2,500	0	0	0	0
522	Holly Springs Academy .....	-----	15-35	-----	2,500	-----	-----	-----	-----
523	Collegiate Institute* .....	-----	16-30	-----	2,000	-----	-----	265	-----
524	Salem High School .....	-----	35	-----	-----	-----	-----	-----	-----
525	Kinston College .....	200	18-32	100	3,500	-----	-----	0	-----
526	Somerville Institute .....	100	20	75	500	-----	-----	-----	-----
527	Leicester Academy .....	-----	10-20	-----	2,500	-----	-----	148	-----
528	Liberty High School .....	-----	20	-----	2,000	-----	-----	-----	-----
529	Mocksville Academy .....	300	15-30	-----	1,500	-----	\$780	74	-----
530	Mooresville Academy .....	0	12-30	0	800	0	0	94	0
531	Moravian Falls Academy .....	200	10-40	0	1,500	0	0	0	0
532	Gillham's Academy .....	100	10-25	-----	3,000	-----	-----	-----	-----
533	Liberty Hill Academy .....	-----	10-18	-----	2,000	-----	-----	-----	0
534	Guilford College .....	2,000	30	1,300	60,000	\$20,000	1,032	0	-----
535	Catawba College .....	1,500	13-40	500	12,000	12,000	720	0	-----
536	Oak Ridge Institute .....	2,000	40	1,000	10,000	0	0	0	1,200
537	Carolina Academy .....	-----	15-30	-----	500	-----	-----	-----	-----
538	Nahunta Academy* .....	100	25	-----	-----	2,500	-----	100	-----
539	Polkton Academy .....	0	10-25	-----	300	0	0	60	0
540	Selma Academy .....	0	20-45	0	1,000	0	0	0	0
541	Greene Academy .....	0	6-20	0	500	0	0	0	0
542	Barnes' School .....	-----	20, 30, 40	-----	600	-----	-----	-----	-----
543	Fairview Academy .....	-----	10-25	-----	1,500	-----	-----	125	-----
544	Cedar Run Academy .....	-----	16-20	-----	1,000	0	0	0	0
545	Anson Institute .....	0	18-36	600	-----	-----	-----	0	-----
546	Fork Institute .....	200	30	-----	2,500	-----	-----	80	-----
547	Warsaw High School .....	0	15-30	-----	2,000	-----	-----	-----	-----
548	Grange High School .....	-----	15-30	-----	800	-----	-----	90	-----
	OHIO.								
549	Grand River Institute .....	900	18-24	100	12,000	16,000	850	-----	-----
550	Friends' Boarding School .....	-----	a115	-----	40,000	5,000	300	0	750
551	Family and Day School for Girls and Boys .....	145	50-150	-----	-----	-----	-----	-----	-----
552	Ewington Academy .....	-----	20	-----	1,000	-----	-----	-----	0
553	Classical Academy .....	1,000	30	1,000	40,000	-----	-----	-----	-----
554	Fultonham Academy .....	170	24	35	12,000	-----	600	-----	-----
555	Gallia Academy .....	400	20	100	5,000	13,000	600	0	0
556	Green Springs Academy .....	200	30	300	25,000	-----	-----	-----	-----
557	Harlem Springs College .....	600	37	-----	20,000	-----	-----	-----	-----
558	Western Reserve Academy .....	1,000	30	200	50,000	-----	-----	0	-----

\* Statistics of 1887-88.

a Includes board.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION C.—*Private schools for both sexes*—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	OHIO—continued.								
559	New Hagerstown Academy.	100	\$12-36	.....	\$1,000	\$200	.....	0	.....
560	Greentown Academy	1,600	30	\$500	5,000	0	0	0	0
561	Ohio Central Normal College.	150	40	150	30,000	.....	.....	.....	.....
562	Poland Union Seminary..	500	27	150	12,000	15,000	\$900	0	\$810
563	Savannah Academy.....	500	28	200	5,000	2,500	300	.....	.....
564	South New Lyme Institute.	550	18-24	300	1,500	.....	.....	0	.....
565	Salem Academy.....	750	25	30	4,500	700	56	.....	.....
566	Springfield Seminary.....	.....	45-75	250	.....	.....	.....	0	.....
567	Ursuline Convent of Sacred Heart.	2,000	.....	.....	148,600	0	.....	.....	.....
568	Tupper's Plains High School.	600	15	.....	1,000	.....	.....	.....	.....
	OREGON.								
569	La Creole Academic Institute.	300	26	35	5,000	5,500	440	0	0
570	St. Scholastica's Convent School.*	100	10-15	.....	8,000	0	.....	0	0
571	Grand Ronde School.....	.....	.....	.....	.....	0	0	.....	.....
572	Friends' Pacific Academy.	150	23-28	200	6,000	0	0	0	50
573	St. John's School.....	.....	15	50	.....	0	0	.....	.....
574	Wasco Independent Academy.	400	24-56	600	30,000	4,000	320	0	0
	PENNSYLVANIA.								
575	Belleville Academy.....	.....	45	0	5,000	0	0	0	0
576	Moravian Parochial School.	.....	5-60	600	25,000	.....	4,000	0	.....
577	Mountain Seminary.....	1,000	40	500	25,000	0	.....	0	0
578	Jefferson Academy.....	5,000	45	.....	50,000	.....	.....	.....	.....
579	Chester Academy.....	500	59	300	15,000	.....	.....	.....	.....
580	Maplewood Institute.....	2,000	72	1,000	30,000	.....	.....	.....	.....
581	Elder's Ridge Academy.....	.....	20-32	.....	1,000	.....	.....	.....	.....
582	Erie Academy.....	0	20-41	.....	40,000	17,570	1,223	0	0
583	Keystone Academy.....	3,200	36	1,000	100,000	.....	.....	.....	.....
584	Schuylkill Seminary.....	600	28-40	500	50,000	.....	.....	.....	2,300
585	Abington Friends' School.	60	25-55	175	30,000	.....	1,500	.....	.....
586	Martin Academy.....	500	20	100	5,000	15,000	800	0	0
587	Wyoming Seminary.....	2,500	14	1,900	224,000	25,000	.....	.....	5,000
588	Friends' Institute.....	.....	4-14	100	2,600	9,000	450	0	0
589	London Grove Friends' School.	0	25	30	.....	.....	.....	.....	.....
590	Stone Valley Academy.....	.....	25-30	.....	.....	0	0	0	0
591	Ingleside Academy.....	0	10-39	.....	.....	.....	.....	.....	.....
592	Meyersdale Preparatory School.	150	10-20	.....	2,000	.....	.....	.....	25
593	Mifflin Academy*.....	.....	32	.....	2,000	.....	.....	.....	.....
594	Western Pennsylvania Classical and Scientific Institute.	1,700	36-45	300	30,000	124	.....	0	300
595	Palatinate College.....	.....	40	200	20,000	0	0	0	.....
596	Bloomfield Academy.....	550	40	300	6,500	0	.....	.....	.....
597	McElwain Institute.....	600	21-15	.....	5,000	.....	.....	.....	.....
598	North Washington Academy.	100	21	.....	400	.....	.....	\$10	.....
599	North Wales Academy.....	400	20-30	300	.....	.....	.....	.....	.....
600	Friends' Select School.....	.....	16	.....	2,500	.....	.....	.....	.....
601	Oxford Academy.....	.....	19-48	200	3,500	0	0	0	.....
602	Parksburgh Academy.....	.....	40	.....	.....	.....	.....	.....	.....

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	PENNSYLVANIA—cont'd.								
603	Perkiomen Seminary.....		\$16-48		\$4,000				
604	College Preparatory School.....		60-200	\$200					
605	Friends' Central High School.....	475	80-120	2,150	100,000				
606	Friends' Select School*.....		40-80	500	40,000	\$89,000	\$484	0	
607	Institute for Colored Youth*.....	3,500	0	2,500		150,000	9,000	0	\$20,000
608	Schleigh Academy.....		40-75						
609	Pleasant Mount Academy.....	300	13	50	2,000				
610	Reid Institute.....	500	30		8,000				
611	Riegelsville Academy.....	1,000	33	0	10,000	6,000	300	0	0
612	Clarion Collegiate Institute.....	520	30	250	6,000	0		0	250
613	School of the Lackawanna.....	2,000	50-80	500	30,000			0	
614	Missionary Institute.....	2,500	24-39	250	25,000	0	0	0	0
615	Hall Institute.....	288	30	154	20,000	0	0	0	10,000
616	Sheakleyville Academy.....	123	15	48	5,000				
617	English and Classical Institute.....	0	30-50	120	3,500	0	0	0	0
618	Susquehanna Collegiate Institute.....	1,000	32	1,600	50,000				
619	Westtown Boarding School.....	4,500	180		500,000	400,000	20,000	0	40,000
620	Williamsport Dickinson Seminary.....	3,000			100,000	0	0	0	3,200
621	York Collegiate Institute.....	2,500	40	1,500	75,000	100,000	6,000	0	
	RHODE ISLAND.								
622	Pawtucket High School.....	485	α60						
623	Friends' New England Boarding School.....	8,000	60	500	500,000	225,000	11,500	0	0
624	St. Mary's Ursuline Academy.....	350	12-40						
	SOUTH CAROLINA.								
625	Home School.....		18		1,100			\$200	
626	Wallingford Academy.....	318	18-36		14,000	0	0	0	
627	Benedict Institute.....	1,500	8	600	50,000	33,000			
628	Penn School.....	300	0	25	1,000	0	0	0	600
629	Grove School*.....	0	10	0	400	0	0	115	0
630	English and Classical Institute.....	0	15-40	50	6,000			70	
631	Sheridan Classical School*.....	200	25		5,000	0	0	0	0
632	Mount Zion Institute.....		20-30						
	TENNESSEE.								
633	Bloomington College.....	38	12		5,000				
634	Kingsley Seminary.....	25	10-20	200	2,200			150	0
635	Chatata High School.....		150		1,200			400	
636	Church Hill Academy.....		12-25		3,500			100	
637	Clifton Masonic Academy.....	75	10-30		2,000				
638	Hoyle College.....	0	13	0	1,000	0	0	350	0
639	Decaturville High School.....		30		500				
640	Tennessee Valley College.....	100	20						
641	Friendsville Academy.....	300	9-18	100	8,000	0		150	0
642	Gardner Academy.....	0		0	2,000			375	0
643	Grassy Cove Academy.....	150	5	150	2,000			88	
644	Hartsville Masonic Institute.....	1,400	20-40	200	10,000				

\* Statistics of 1887-88

α For nonresidents.



TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

DIVISION C.—*Private schools for both sexes.*—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	TENNESSEE—continued.								
645	Irving College .....		\$40		\$3,000				
646	Fairview Private School* .....		18		2,000				
647	Knoxville College .....	1,800	4	\$50	60,000	0	0	\$500	\$200
648	Southern Normal College .....	200	20-40	200	2,500			95	
649	Loudon High School .....	75	5-15	25	10,000				
650	McTeyre Institute .....	500	20-50		93,000				
651	Manchester College* .....	500	25	10	1,000	0		0	
652	Mohawk Seminary .....		15	0	1,000	0	0	156	0
653	Fairmount College .....	600	60		8,000	0		0	
654	Union Male and Female Seminary .....		15-37	0	6,000	0	0	2,300	0
655	Hatchie Academy .....		40		200			100	
656	Parrottsville High School .....	450	10-25	0	1,000	0	0	0	0
657	Male and Female Academy .....	0	23	150	1,400	0			
658	Santa Fé Institute .....	20	16-40	40	800	0	0	0	0
659	Sequachee College .....	0	20		3,000				
660	Pure Fountain College .....	0	12-30		11,125	0	0	500	0
661	Obion Normal College .....	700	33	15	12,000	0	0	800	0
662	Pleasant Grove Seminary .....		10		1,200			450	
663	Washington College .....	400	16	200	10,000	0	0	0	0
664	Powell's Valley Seminary .....	125	10-30	0	7,000	0	0	0	200
665	Edwards Academy .....	200	23	225	3,000			340	
	TEXAS.								
666	English and German School .....								
667	Buffalo Gap College .....	500	40	400	15,000				800
668	Crockett Academy* .....	0	26-16	0	1,500	0	0	720	0
669	Dangerfield High School .....		25		7,500			500	0
670	Gonzales Male and Female College* .....	120	20-40		25,000	\$10,000	\$500	2,000	
671	Hearne Academy .....	250	8	0	5,000				300
672	Livingston Academy .....	0	15-40	0	4,000				0
673	Bishop College .....	700	8	500	50,000				422
674	Summer Hill Select School .....	150	20	300	2,500	0	0	0	0
675	Plano Institute .....		20-50		8,000				
676	Masonic Institute .....		30	200	3,000	0	0	1,500	0
677	German and English School .....	250	30-48		20,000				
678	Coronal Institute .....		20-50		12,000			399	
679	San Saba College .....	0	25	0	6,000			850	0
680	Central College .....	500	20-50	700	20,000			0	
681	Central College .....	20	15-40	400	4,000			1,000	
682	Male and Female College .....	300	20-45	300	10,000	0	0	800	0
	UTAH.								
683	Willard Academy .....		0		3,500				
684	Hooper New West School .....	75							
685	Brigham Young College .....	173	12-24						
686	Wasatch Academy .....		6	0	7,000	0		0	
687	Ordan Academy* .....		3-6	300	20,000				
688	School of the Good Shepherd .....	73	15		30,000				1,008
689	St. Paul's School .....	50	50	0	1,800				
690	Brigham Young Academy .....	755	25	1,200	75,000				5,000
691	Proctor Academy .....	300	9		10,000				
692	St. Mark's School .....	1,682			20,000				
693	Salt Lake Collegiate Institute .....	600	40	500	40,000				
694	Salt Lake Seminary .....	150	20-40		25,000				12,000

\* Statistics of 1887-88.

TABLE 7.—STATISTICS OF ENDOWED ACADEMIES, SEMINARIES, AND OTHER PRIVATE SECONDARY SCHOOLS FOR 1888-89—Continued.

## DIVISION C.—Private schools for both sexes.—PART II—Continued.

	Name of school.	Volumes in library.	Annual charge for tuition.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for the year from productive funds.	Amount of State or municipal aid for the year.	Benefactions received during the year.
	2	16	17	18	19	20	21	22	23
	VERMONT.								
695	Brigham Academy.....	150	\$15-24	\$500	\$12,784	\$30,000	\$1,800	0	\$150
696	Goddard Seminary.....	1,540	40	100	75,000	23,000	1,150	\$92	.....
697	Chelsea Academy.....	50	12-18	.....	.....	0	0	680	15
698	Derby Academy*.....	200	18	50	8,000	2,300	115	0	0
699	Essex Classical Institute.	200	15	0	6,000	10,000	500	0	5
700	New Hampton Institute.	3,000	15	300	4,000	2,800	148	0	0
701	Lamoille Central Academy.	.....	15	.....	2,000	.....	.....	.....	.....
702	Lyndon Institute.....	750	18-30	2,500	20,000	30,000	1,500	0	400
703	Burr and Burton Seminary.	500	21-30	300	25,000	30,000	1,800	0	0
704	Vermont Methodist Seminary.	1,500	30	100	80,000	40,000	2,100	0	0
705	Caledonia County Grammar School.	.....	12-16	300	10,000	15,000	900	.....	.....
706	Troy Conference Academy.	1,958	20-40	350	55,000	3,000	180	0	5,500
707	St. Johnsbury Academy.....	.....	30	2,000	15,000	100,000	6,000	.....	.....
708	Vermont Academy.....	1,000	36	2,000	100,000	100,000	5,040	0	.....
709	Green Mountain Perkins Academy.	300	16	500	2,000	10,000	450	0	0
710	Thetford Academy.....	0	20	75	10,000	6,000	375	0	0
711	Underhill Academy.....	.....	18	50	2,000	.....	.....	.....	.....
712	Green Mountain Seminary.	775	21	100	30,000	10,000	900	0	600
713	Glenwood Classical Seminary.	400	6-26	.....	8,000	10,000	.....	0	0
	VIRGINIA.								
714	Shenandoah Institute.....	400	20	500	6,000	0	0	0	.....
715	Herndon Seminary.....	100	16-27	0	1,100	0	0	0	0
716	Curry College*.....	0	20	.....	2,000	.....	.....	275	0
717	Norfolk Mission College.....	500	2-9	100	22,000	.....	.....	0	200
718	Onancock Academy.....	750	40-50	150	8,000	0	0	0	50
719	Suffolk Collegiate Institute.	500	40	.....	8,000	0	0	0	0
	WASHINGTON.								
720	Benj. P. Cheney Academy.....	.....	9	40	.....	.....	.....	.....	.....
721	Colfax College.....	300	36	200	15,000	0	0	0	.....
722	Puget Sound Academy.....	1,000	30	120	10,000	10,000	.....	0	340
723	Ellensburg Academy.....	300	27-40	.....	10,000	0	0	0	.....
724	Washington Seminary.....	124	18-42	100	2,000	8,000	800	.....	500
725	Chehalis Valley Academy.....	.....	18	.....	3,000	.....	.....	.....	.....
726	Olympia Collegiate Institute.	600	36	.....	18,000	.....	.....	.....	.....
727	Sumner Academy.....	.....	24-30	.....	6,000	.....	.....	.....	.....
728	Waitsburg Academy.....	250	34	75	5,000	3,000	800	0	1,500
729	School of Modern Languages.	.....	a3-6	.....	.....	.....	.....	.....	.....
	WEST VIRGINIA.								
730	St. Mary's Academy.....	0	.....	.....	.....	0	0	0	0
	WISCONSIN.								
731	Albion Academy.....	350	27	200	5,000	0	.....	0	.....
732	Wayland Academy.....	2,000	26	200	45,000	35,000	2,500	0	11,000
733	Berlin High School.....	800	0	300	30,000	0	.....	104	0
734	Evansville Seminary.....	150	18-24	200	2,500	.....	.....	.....	5,000
735	Cathedral Institute.....	500	24-60	.....	.....	.....	.....	.....	.....
736	German-English Academy.	800	20-100	1,000	36,000	7,500	400	0	0
737	Carroll College.....	500	28-36	500	40,000	18,000	1,080	0	1,570

\* Statistics of 1887-88.

a Charge for a month.

## CHAPTER XXVIII.

### SUPERIOR AND PROFESSIONAL INSTRUCTION.

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#### I.—COLLEGES FOR WOMEN.

The separation of this class of institutions into two divisions has been found to work quite successfully. It is hoped that a greater number of institutions will gradually raise their standards sufficiently to be included in Division A of Table 2. The only one that has been added to this division since the publication of the Report for 1887-88 is Mount Holyoke Seminary and College, South Hadley, Mass., which has lately been granted a charter, and now possesses full collegiate powers.

The number of institutions included in Table 2 is 198, which is 9 less than were reported in 1887-88. This decrease in numbers is due, very likely, to failure on the part of these institutions to report their statistics.

Tables 1 and 2 present the summarized and detailed statistics of these institutions.



TABLE 1.—Summary of statistics of institutions for the higher instruction of women for 1888-89.

States.	Number of schools.		Number of instructors.		Students.				Number of volumes in libraries.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Receipts from tuition fees.	Total income.	Benefactions.	
	Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Total number.	Number of graduates in 1889.										
NORTH ATLANTIC DIVISION.																	
Maine.....	2	15	11	26	30	70	493	61	9,100	\$8,500	\$205,000	\$146,000	\$7,200	\$8,340	\$19,000	\$1,500	
New Hampshire.....	3	7	19	26	96	315	441	32	2,400	2,305	225,000	32,000	1,920	3,270	5,190		
Massachusetts.....	9	103	181	284	29	1,756	2,099	231	75,437	46,000	3,004,000	1,082,925	68,235	331,506	424,070	41,719	
New York.....	13	40	243	283	808	1,121	2,806	149	46,165	133,997	2,330,128	653,127	36,507	212,357	253,397	44,708	
New Jersey.....	2	3	18	21	21	35	144	19	300	1,550	123,500	.....	.....	18,900	18,900		
Pennsylvania.....	12	56	128	184	275	866	1,334	142	31,180	15,000	960,000	713,000	41,180	22,500	77,300	3,100	
SOUTH ATLANTIC DIVISION.																	
Maryland.....	6	17	55	72	249	344	669	53	9,645	14,800	421,000	175,000	4,250	13,100	20,350	210,000	
Virginia.....	19	56	132	188	444	1,402	1,944	113	10,520	6,500	651,000	2,500	150	60,331	64,481	5,000	
West Virginia.....	3	2	17	19	19	85	159	11	550	500	26,000	.....	.....	1,200	1,200		
North Carolina.....	15	37	117	154	462	958	1,753	139	23,150	8,650	463,500	1,000	80	80,200	92,512	5,000	
South Carolina.....	5	10	40	50	199	507	722	73	2,100	1,300	110,000	1,000	80	15,000	15,700	.....	
Georgia.....	9	30	71	101	330	1,019	1,569	141	8,580	5,200	392,000	40,000	2,000	8,750	20,125	.....	
SOUTH CENTRAL DIVISION.																	
Kentucky.....	19	34	138	172	864	1,200	2,278	153	13,180	5,450	469,000	.....	.....	63,085	76,535	5,750	
Tennessee.....	11	21	112	133	220	740	1,677	121	21,550	8,500	426,000	.....	.....	32,386	42,512	.....	
Alabama.....	9	11	72	83	246	511	1,251	103	16,153	7,500	395,000	.....	.....	49,860	49,860	16,000	
Mississippi.....	11	16	88	104	578	843	1,517	67	6,650	2,425	283,000	.....	.....	22,650	46,204	.....	
Louisiana.....	2	3	11	14	55	104	160	4	1,100	300	40,000	28,000	2,600	3,000	5,600	.....	
Texas.....	3	11	26	37	114	273	510	15	2,000	675	138,000	.....	.....	42,000	42,200	2,000	
NORTH CENTRAL DIVISION.																	
Ohio.....	10	44	113	157	145	735	1,059	106	15,091	4,000	884,633	185,000	9,430	47,742	67,228	95,700	
Indiana.....	1	6	3	9	76	37	146	10	500	500	50,000	.....	.....	2,124	2,402	.....	
Illinois.....	8	24	90	114	198	355	950	63	11,500	6,300	519,100	.....	.....	29,242	29,454	5,000	
Michigan.....	1	...	7	7	.....	50	50	.....	1,530	1,500	50,000	23,000	1,300	3,000	4,300	500	
Wisconsin.....	3	2	44	46	175	101	328	14	5,750	3,400	125,000	45,000	2,500	8,790	11,290	1,000	

TABLE 1.—Summary of statistics of institutions for the higher instruction of women for 1888-89.—Continued.

States.	Number of schools.		Number of instructors.			Students.				Number of volumes in libraries.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Receipts from tuition fees.	Total income.	Benefactions.	
	Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Total number.	Number of graduates in 1889.											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
NORTH CENTRAL DIVISION—continued.																		
Minnesota .....	3	4	29	33	66	82	273	28	4,850	\$600	\$215,000	\$70,000	\$4,200	\$41,450	\$47,200	\$6,500		
Missouri.....	13	31	108	139	370	1,048	1,720	81	8,250	5,400	530,000	219,800	6,500	72,565	83,165	4,200		
Kansas.....	2	6	30	36	154	74	363	4	1,600	850	474,000	323,000	17,490	18,172	18,172	.....		
WESTERN DIVISION.																		
Oregon .....	1	1	10	11	30	123	153	2	1,000	200	340,000	50,000	3,500	12,500	16,000	.....		
California.....	3	12	33	45	133	163	377	17	4,600	.....	.....	.....	.....	.....	.....	.....		
SUMMARY.																		
North Atlantic Division .....	41	224	600	824	1,259	4,163	7,317	634	164,582	207,352	6,937,628	1,647,052	155,042	596,873	798,757	91,027		
South Atlantic Division .....	57	152	432	584	1,723	4,315	6,816	530	54,545	35,950	2,081,500	219,500	6,500	178,481	214,368	220,000		
South Central Division .....	55	96	447	543	2,078	3,671	7,393	463	54,633	24,850	1,777,000	28,000	2,600	213,881	262,941	23,750		
North Central Division.....	41	117	424	541	1,184	2,482	4,889	306	49,071	22,550	2,847,733	323,000	17,490	223,085	263,301	112,900		
Western Division.....	4	13	43	56	163	286	530	19	5,600	200	340,000	50,000	3,500	12,500	16,000	.....		
Total .....	198	602	1,946	2,548	6,407	14,917	26,945	1,932	328,431	290,902	13,960,861	2,267,552	185,192	1,224,820	1,555,367	447,677		

TABLE 2.—DIVISION A.—Statistics of institutions for the higher instruction of women for 1888-89.—PART I.

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.						Number of graduates at commencement of 1888-1889.
						Male.	Female.	Total.	Number in preparatory department.	Number in college department.	Number of graduates.	Number in other departments.	Total number.	Number of graduates.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Cambridge, Mass.....	Arthur Gilman, A. M., sec. retary.	1882	1879	Non-sect..	55	0	55	0	115	0	0	115	5	
2	Northampton, Mass..	Rev. L. Clark Seelye, D. D.....	1871	1875	Non-sect..	14	15	29	0	355	10	.....	437	49	
3	South Hadley, Mass..	Miss Elizabeth Blanchard, acting president.	1836	1837	Non-sect..	5	36	41	0	304	2	.....	306	49	
4	Wellesley, Mass.....	Helen A. Shafer, M. A.....	1870	1875	Non-sect..	6	67	73	0	675	10	.....	6-5	76	
5	Andover, N. Y.....	Edward S. Frisbee, D. D.....	1867	1868	Non-sect..	4	12	16	5	46	0	.....	53	7	
6	Le Roy, N. Y.....	Rev. Wm. W. Tothoroh, D. D.....	1857	1837	Presb.....	1	17	18	70	25	2	.....	127	8	
7	Poughkeepsie, N. Y..	James M. Taylor, D. D.....	1861	1885	Non-sect..	9	28	37	0	243	3	65	311	49	
8	Bryn Mawr, Pa.....	James E. Rhoads, LL. D.....	1880	1885	Non-sect..	16	6	22	0	99	17	0	116	24	

TABLE 2.—DIVISION A.—Statistics of institutions for the higher instruction of women for 1888-89.—PART II.

Name.	Number of years in college course.	Number of State scholarships.	Number of other scholarships.	Annual charge for tuition.	Average cost of board and lodging per annum.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Receipts from tuition fees.	Total income.	Monofactions.	25	26	27	28	29
3	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1	Society for the Collegiate Instruction of Women.....	4	0	\$200	\$300	2,500	\$1,000	\$30,000	\$75,000	\$3,500	\$15,800	\$19,310	.....	.....	.....	.....	.....	.....
2	Smith College.....	4	0	100	250	6,000	30,000	500,000	470,000	27,500	40,725	68,225	\$13,000	.....	.....	.....	.....	.....
3	Mount Holyoke Seminary and College.....	4	78	\$200	250	12,765	10,000	319,000	295,000	13,500	656,265	69,765	6,500	.....	.....	.....	.....	.....
4	Wellesley College.....	4	.....	150	200	31,272	10,000	2,000,000	242,000	20,000	6184,250	204,250	.....	.....	.....	.....	.....	.....
5	Wells College.....	4	0	100	300	2,500	9,000	45,000	200,000	9,000	6,577	15,750	.....	.....	.....	.....	.....	.....
6	Ingham University.....	4	.....	30	200	2,000	4,000	83,000	.....	.....	9,077	9,077	1,009	.....	.....	.....	.....	.....
7	Vassar College.....	4	0	100	300	18,000	96,591	532,628	483,127	26,729	616,201	142,950	12,000	.....	.....	.....	.....	.....
8	Bryn Mawr College.....	4	0	100	275	6,280	8,000	420,000	700,000	40,000	11,300	52,000	1,100	.....	.....	.....	.....	.....

a Includes board.

b Includes receipts for board, etc.

c And 6 fellowships.



TABLE 2.—DIVISION B.—Statistics of institutions for

	Location.	Name.	President.
	1	2	3
	ALABAMA.		
1	Athens .....	Athens Female College .....	Rev. M. G. Williams, D. D. ...
2	Eufaula .....	Union Female College* .....	A. H. Todd .....
3	Huntsville .....	Huntsville Female College .....	Rev. A. B. Jones, D. D., LL. D. ...
4	do .....	Huntsville Female Seminary .....	J. D. Anderson, A. M. ...
5	Marion .....	Judson Female Institute .....	S. W. Averett .....
6	do .....	Marion Female Seminary* .....	Jas. D. Wade .....
7	Tuscaloosa .....	Central Female College .....	S. B. Foster, A. M. ...
8	do .....	Tuscaloosa Female College* .....	Alonzo Hill, A. M. ...
9	Tuskegee .....	Alabama Conference Female College* .....	John Massey, LL. D. ...
	CALIFORNIA.		
10	Los Angeles .....	The Ellis College* .....	Henry Ludlam .....
11	Mills College .....	Mills College .....	Rev. C. C. Stratton, D. D. ...
12	Santa Rosa .....	Santa Rosa Ladies' College .....	Rev. W. A. Finley, A. M., D. D. ...
	GEORGIA.		
13	Athens .....	Lucy Cobb Institute .....	Miss Mildred Rutherford .....
14	Covington .....	Georgia Methodist Female College .....	Rev. J. T. McLaughlin, A. M. ...
15	Cuthbert .....	Andrew Female College .....	H. W. Key .....
16	Dalton .....	Dalton Female College* .....	John A. Jones, A. M. ...
17	Porsyth .....	Monroe Female College .....	Richard Thos. Asbury, A. M. ...
18	La Grange .....	La Grange Female College .....	Rufus W. Smith .....
19	do .....	Southern Female College .....	Mrs. I. F. Cox .....
20	Macon .....	Wesleyan Female College .....	Rev. William C. Bass, D. D. ...
21	Thomasville .....	Young Female College .....	John E. Baker .....
	ILLINOIS.		
22	Chicago (485 W. Taylor st.) .....	Seminary of the Sacred Heart .....	Madame Henrietta Spalding .....
23	Greenville .....	Almira College .....	James C. Slade .....
24	Jacksonville .....	Illinois Female College* .....	W. F. Short, D. D. ...
25	do .....	Jacksonville Female Academy .....	E. F. Bullard .....
26	Knoxville .....	St. Mary's School .....	Rev. C. W. Leffingwell, D. D. ...
27	Morgan Park .....	Chicago Female College .....	Gilbert Thayer, D. D. ...
28	Mount Carroll .....	Mount Carroll Seminary .....	Mrs. F. A. Wood Shimer .....
29	Rockford .....	Rockford Seminary* .....	Miss Anna B. Gelston .....
	INDIANA.		
30	Fort Wayne .....	Fort Wayne College .....	H. N. Herrick .....
	KANSAS.		
31	Oswego .....	College for Young Ladies .....	Miss Susan H. Johnson .....
32	Topeka .....	Colleges of the Sisters of Bethany .....	Rt. Rev. T. H. Vail, D. D., LL. D. ...
	KENTUCKY.		
33	Clinton .....	Clinton College .....	Amanda M. Hicks .....
34	Danville .....	Caldwell College .....	Miss Charlotte A. Campbell .....
35	Georgetown .....	Georgetown Female Seminary .....	James J. Rucker, LL. D. ...
36	Glasgow .....	Liberty Female College .....	Rev. T. Simpson McCall .....
37	Glendale .....	Lynnland Female College .....	E. W. Elrod and E. W. White .....
38	Harrodsburgh .....	Daughters College .....	Jno. Aug. Williams .....
39	Hopkinsville .....	Bethel Female College .....	J. W. Rust, LL. D. ...
40	Lexington .....	Hamilton Female College .....	J. T. Patterson .....
41	Lexington (110 Limestone street) .....	St. Catharine's Female Academy .....	Sister Servant .....
42	Lexington .....	Sayre Female Institute .....	H. B. McClellan .....

\* Statistics of 1887-88.

the higher instruction of women for 1888-89.—PART I.

Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.					Are you authorized to confer degrees?	Number of years in college course.	Number of State-scholarships.	Number of other scholarships.	
			Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total enrollment.	Number of graduates in 1888-89.					
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1843	1844	M. E. So.	1	8	8	50	70	4	120	5	Yes.	5	0	0	1
1852	1853	Non-sect.	1	3	4	21	45		68	2	Yes.	4			2
1850	1843	M. E. So.	1	13	19	63	204	44	267	48	Yes.	5			3
1840	1840	Presb.	1	4	5	20	30		50	8	Yes.	4	0	0	4
1841	1839	Baptist	2	10	12	21	93	1	114	20	Yes.	4	0	0	5
1836		Non-sect.	1	6	7			4	91	6	Yes.				6
1857	1857	Baptist	2	8	10	71	69		150	2	Yes.	4	0	5	7
1860	1860	Non-sect.	1	8	9				235	12					8
1855	1856	Meth.	2	7	9				156		Yes.				9
1885		Non-sect.	3	7	10				81						10
1885	1871	do	6	20	26	110	145	2	255	13	Yes.	4	0	9	11
1889	1884		3	6	9	23	18		41	4	Yes.	2, 3, 4			12
1858	1858	Non-sect.	5	10	15	30	100		130	20					13
1882	1852	Meth.	3	4	7	40	100	2	140	6	Yes.	4	0	0	14
1855	1856	do	3	5	8	41	106	6	162	13	Yes.	5		1	15
	1872	M. E. So.	2	7	9				181	5					16
1849	1849	Baptist	3	4	7	60	56		116	5		4	0		17
1846	1833	Meth.	4	9	13	66	172	9	212	21	Yes.	5	0		18
1846	1843	Non-sect.	3	18	21	63	126	17	189	26	Yes.	4	0	0	19
1836	1839	M. E. So.	6	10	16	10	279		289	37	Yes.	4		10	20
1868	1869	Non-sect.	1	4	5	40	80	3	120	8	Yes.	5			21
1870	1858	R. C.	2	18	20	15	78	3	100	7	Yes.	7	0	0	22
1857	1855		1	6	7	8	48		56			3			23
1847	1847	M. E.	5	10	15	100	95	5	200	15	Yes.	4			24
1845	1830	Non-sect.	6	11	17	10	94		130	11					25
1882	1868	P. E.	3	10	13	65	40		125	12	Yes.	4	0	0	26
1874	1875		5	6	11				55	9		3-4			27
1852	1853	Baptist	1	11	12				124	9	Yes.	5			28
1847	1849	Non-sect.	1	18	19				160		Yes.	7			29
1847	1847	M. E.	6	3	9	76	37	3	146	10	Yes.	2-4			30
1883	1886	Presb.		7	7	27	25		52		Yes.	4			31
1870	1861	P. E.	6	23	29	127	49		311	4	Yes.	3	0	0	32
1870	1874	Baptist		9	9	150	60		212	3	Yes.	4	0	0	33
1860	1860	Presb.		12	12	35	125	2	160	4		5	0	3	34
1829	1846	Baptist	4	7	11	22	98		120	2	Yes.	5			35
1873	1875	do	1	5	6	57	58		115	2	Yes.	3			36
1888	1888	do	2	6	8	10	44		54	2	Yes.	4			37
1871	1856	Non-sect.	3	7	10				125	11		5			38
1854	1856	Baptist	2	6	8	40	20		60	9	Yes.	4		2	39
	1869	Christian	6	8	14	50	128	2	178	17		4			40
	1853	R. C.		7	7					6		12			41
1856	1854	Presb.	3	11	14	118	30		239	19	Yes.	2, 4	0	2	42

TABLE 2.—DIVISION B.—Statistics of institutions for the higher

	Location.	Name.	President.
	1	2	3
	KENTUCKY—continued.		
43	Millersburg .....	Millersburg Female College.....	Rev. Cadesman Pope .....
44	Mount Sterling .....	Mount Sterling Female College.....	J. P. Marshall .....
45	Nicholasville .....	Jessamine Female Institute .....	Miss M. F. Hewitt.....
46	Pewee Valley .....	Kentucky College for Young Ladies* ..	Rev. Erastus Rowley, D. D. ..
47	Russellville .....	Logan Female College .....	H. K. Taylor .....
48	Shelbyville .....	Science Hill School .....	W. T. Poynter, D. D. ....
49	do .....	Stuart's Female College .....	W. H. Stuart .....
50	Stanford .....	Stanford Female College .....	John Milton Hubbard .....
51	Woodburn .....	Cedar Bluff Female College* .....	Rev. B. F. Cabell.....
	LOUISIANA.		
52	Clinton .....	Silliman Female Collegiate Institute..	Geo. J. Ramsey, A. M. ....
53	Minden .....	Minden Female College .....	Arthur L. Cox, A. M., M. S. ....
	MAINE.		
54	Deering .....	Westbrook Seminary and Female College.	Albert B. Allen, A. M. ....
55	Kent's Hill .....	Maine Wesleyan Seminary and Female College.	Rev. E. M. Smith, D. D. ....
	MARYLAND.		
56	Baltimore .....	Baltimore Academy of the Visitation..	Sister Mary Paula Combs ..
57	Baltimore (Park Place)...	Baltimore Female College .....	N. C. Brooks, LL. D. ....
58	Baltimore (St. Paul's ave. and 3d st.).	The Woman's College of Baltimore...	William H. Hopkins, A. M., Ph. D. ....
59	Cambridge .....	Cambridge Female Seminary .....	J. F. Baugher, A. M. ....
60	Frederick .....	Frederick Female Seminary .....	Wm. H. Furnell, A. M., LL. D. ....
61	Lutherville .....	Lutherville Seminary .....	Rev. J. H. Turner, A. M. ....
	MASSACHUSETTS.		
62	Andover .....	Abbot Academy .....	Miss Philena McKeen .....
63	Auburndale .....	Lasell Seminary for Young Women ..	Charles C. Bragdon, A. M. ....
64	Boston .....	Gannett Institute .....	Rev. George Gannett, D. D. ....
65	Bradford .....	Bradford Academy .....	Hon. George Cogswell, M. D. ....
66	Norton .....	Wheaton Female Seminary .....	Miss A. Ellen Stanton .....
	MICHIGAN.		
67	Kalamazoo .....	Michigan Female Seminary .....	Isabella G. French, A. B. ....
	MINNESOTA.		
68	Albert Lea .....	Albert Lea College .....	Rev. R. B. Abbott, D. D. ....
69	Faribault .....	St. Mary's Hall .....	Miss Ella F. Lawrence .....
70	Minneapolis .....	Bennet Seminary* .....	Miss E. E. Kenyon .....
	MISSISSIPPI.		
71	Blue Mountain .....	Blue Mountain Female College .....	Rev. W. T. Lowrey, A. M. ....
72	Brookhaven .....	Whitworth Female College* .....	L. T. Fitzhugh, A. M. ....
73	Clinton .....	Central Female Institute .....	Rev. Walter Hillman, A. M., LL. D. ....
74	Columbus .....	Industrial Institute and College .....	Charles Hartwell Cocke ....
75	Corinth .....	Corinth Female College .....	Miss Lena Elgin .....
76	Holly Springs .....	Franklin Female College* .....	Mrs. Rosa M. Tyler and Mrs. R. H. Tunstall.
77	Meridian .....	East Mississippi Female College* .....	R. M. Saunders .....
78	Oxford .....	Union Female College .....	H. N. Robertson .....
79	Shuqualak .....	Shuqualak Female College .....	Rev. Lewis M. Stone .....
80	Starkville .....	Starkville Female Institute .....	T. G. Sellers, A. M., D. D. ....
81	Summit .....	Lea Female College .....	Charles H. Otken, LL. D. ....

\* Statistics of 1887-88.



instruction of women for 1888-89.—PART I—Continued.

Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.					Are you authorized to confer degrees?	Number of years in college course.	Number of State scholarships.	Number of other scholarships.	
			Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total enrollment.	Number of graduates in 1888-89.					
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1860	1860	M. E. So ..	2	13	15	114	95	25	209	13	Yes...	4	.....	1	43
1857	.....	.....	1	3	4	10	45	.....	55	.....	Yes...	4	.....	0	44
1854	1854	Non-sect..	1	9	10	54	70	.....	124	19	Yes...	6	.....	1	45
1876	1873	do .....	1	5	6	9	32	.....	41	2	Yes...	.....	.....	.....	46
1858	1866	Meth. So ..	2	7	9	25	125	11	150	11	Yes...	4	.....	1	47
1880	1825	M. E. So ..	1	9	10	83	89	.....	182	7	Yes...	4	6	0	48
1849	1839	Non-sect..	1	4	5	24	60	.....	84	12	Yes...	4	.....	.....	49
1871	1871	do .....	1	4	5	50	40	.....	90	7	Yes...	4	0	2	50
1864	1862	do .....	3	6	9	8	72	.....	80	7	Yes...	4	.....	.....	51
1852	1852	Presb.....	2	8	10	56	53	.....	109	1	Yes...	4-6	.....	.....	52
1855	1853	Non-sect..	1	3	4	0	51	25	51	3	Yes...	4	2	0	53
1831	1834	Univ .....	3	5	8	30	70	30	180	26	Yes...	4	.....	4	54
.....	1821	M. E.....	12	6	18	.....	.....	.....	313	35	Yes...	4	5	0	55
1838	1837	R. C .....	.....	25	25	100	80	.....	180	18	.....	8	.....	.....	56
1849	1848	Non-sect..	2	3	5	14	41	.....	55	.....	Yes...	4	26	8	57
1885	1888	M. E.....	9	9	18	71	10	.....	140	0	.....	4	.....	.....	58
1858	1850	Non-sect..	1	4	5	35	10	.....	45	4	.....	4	10	.....	59
1841	1843	do .....	1	8	9	25	104	1	130	8	Yes...	4	5	.....	60
1853	1853	do .....	4	6	10	4	99	2	119	23	.....	4	.....	.....	61
1829	1829	Non-sect..	3	9	12	0	86	0	86	15	No....	4	0	10	62
1853	1851	Meth.....	10	22	32	20	60	1	147	12	No....	4	0	0	63
.....	1854	Non-sect..	7	9	16	.....	.....	.....	67	5	No....	4	.....	.....	64
1884	1803	do .....	1	11	12	9	161	0	170	18	No....	4	4	.....	65
1837	1835	Non-sect..	2	12	14	.....	.....	.....	86	2	No....	4	.....	7	66
1856	1867	Presb.....	.....	7	7	.....	50	1	50	0	No....	4	.....	.....	67
1884	1885	Presb.....	1	7	8	41	22	0	63	1	Yes...	4	0	0	68
1866	1860	P. E .....	1	13	14	.....	.....	85	123	13	.....	4	.....	1	69
1869	1865	Non-sect..	2	9	11	25	60	.....	85	14	Yes...	4	.....	.....	70
1877	1873	Baptist ...	4	13	17	60	160	.....	220	9	Yes...	4	.....	.....	71
1859	1819	M. E. So ..	5	9	14	25	137	17	179	21	Yes...	.....	.....	.....	72
1853	1853	Baptist ...	2	7	9	45	68	.....	116	5	Yes...	4	.....	.....	73
1884	1885	Non-sect..	.....	20	20	187	130	.....	337	10	.....	4	400	0	74
1878	1876	Non-sect..	.....	6	6	65	45	3	110	.....	.....	.....	.....	.....	75
1878	1878	.....	.....	4	4	.....	.....	.....	110	.....	.....	4	.....	.....	76
1872	1872	M. E. So ..	1	7	8	29	100	.....	.....	5	Yes...	5	.....	.....	77
1854	1854	Cumb. Pres.	1	6	7	.....	.....	.....	75	2	.....	4	.....	.....	78
1882	1880	Baptist ...	1	5	6	42	68	1	110	7	Yes...	4	.....	.....	79
1873	1869	Baptist ...	1	7	8	100	95	.....	195	4	Yes...	4	.....	.....	80
1877	1877	Baptist ...	1	4	5	25	40	.....	65	4	Yes...	4	.....	.....	81

a Six partial scholarships and one full scholarship.

TABLE 2.—DIVISION B.—*Statistics of institutions for the higher*

	Location.	Name.	President.
	1	2	3
	MISSOURI.		
82	Columbia.....	Christian Female College*.....	W. A. Oldham.....
83	...do.....	Stephens Female College.....	Rev. T. W. Barrett, A. M.....
84	Fulton.....	Fulton Synodical Female College.....	Rev. Henry C. Evans.....
85	Independence.....	Kansas City Ladies' College.....	Rev. James M. Chauncy, D. D.....
86	...do.....	Woodland College.....	Geo. S. Bryant, A. M.....
87	Jennings.....	St. Louis Seminary.....	B. T. Blewett, LL. D.....
88	Lexington.....	Baptist Female College*.....	F. Menetee.....
89	...do.....	Central Female College*.....	W. F. Kerdolff.....
90	...do.....	Elizabeth Aull Female Seminary*.....	J. D. B. Canton.....
91	Mexico.....	Hardin College.....	A. K. Yancey.....
92	St. Charles.....	Lindenwood Female College.....	Rev. Robert Irwin, D. D.....
93	St. Louis.....	Mary Institute, Washington University.	James Hardy Dillard.....
94	...do.....	Ursuline Academy.....	Mother Seraphine.....
	NEW HAMPSHIRE		
95	Exeter.....	Robinson Female Seminary.....	George W. Cross, A. M.....
96	Tilton.....	New Hampshire Conference Seminary and Female College.*	Rev. D. C. Knowles, D. D.....
97	West Lebanon.....	Tilden Seminary.....	E. Hubbard Barlow, A. M., PH. D.
	NEW JERSEY.		
98	Burlington.....	St. Mary's Hall.....	Miss Julia G. McAllister.....
99	Freehold.....	Freehold Young Ladies' Seminary.....	Miss Eunice D. Sewall.....
	NEW YORK.		
100	Albany (Kenwood).....	Academy of the Sacred Heart.....	Madame E. Hogan.....
101	Albany.....	St. Agnes' School.....	Miss E. W. Boyd.....
102	Brooklyn.....	Brooklyn Heights Seminary.....	Miss Maria O. Steele.....
103	...do.....	Packer Collegiate Institute.....	Truman J. Backus, LL. D.....
104	Buffalo.....	Buffalo Seminary.....	Mrs. L. L. Hartt.....
105	Cavandaigua.....	Granger Place School.....	Miss Caroline A. Comstock.....
106	New York.....	Academy of Mt. St. Vincent on-the-Hudson.	Eliza Sweeny.....
107	New York (Manhattan-ville). New York (49 W. 17th St.).	Academy of the Sacred Heart..... ...do.....	Madame Sarah Jones..... Madame Frances Elder, Su- perintendent.
109	Plattsburgh.....	D'Youville Academy.....	Sister M. de la Victoire.....
	NORTH CAROLINA.		
110	Asheville.....	Asheville Female College.....	Rev. S. N. Barker.....
111	Charlotte.....	Charlotte Female Institute.....	Rev. Wm. R. Atkinson.....
112	Dallas.....	Gaston College.....	Rev. M. L. Little.....
113	Greensborough.....	Greensborough Female College.....	Rev. T. M. Jones, A. M., D. D.....
114	Hickory.....	Claremont Female College.....	Will H. Sanborn.....
115	Louisburg.....	Louisburg Female College.....	S. D. Bagley.....
116	Murfreesboro.....	Chowan Baptist Female College*.....	J. B. Brown.....
117	...do.....	Wesleyan Female College.....	E. E. Parham, A. M.....
118	Oxford.....	Oxford Female Seminary*.....	E. P. Holgood.....
119	Raleigh.....	Estey Seminary.....	Rev. H. M. Tupper, D. D.....
120	...do.....	Peace Institute.....	John B. Burwell, A. M.....
121	...do.....	St. Mary's School.....	Rev. Bennett Smedes.....
122	Salem.....	Salem Female Academy.....	Rev. John H. Clewell.....
123	Thomasville.....	Thomasville Female College.....	Rev. J. N. Stallings.....
124	Wilson.....	Wilson Collegiate Institute.....	Silas E. Warren.....
	OHIO.		
125	Cincinnati (Lawrence and 3rd sts.).	Bartholomew English and Classical School.	George K. Bartholomew, M. A.

\* Statistics of 1887-88.

instruction of women for 1888-89.—PART I—Continued.

Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.					Are you authorized to confer degrees?	Number of years in college course.	Number of State scholarships.	Number of others scholarships.
			Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total enrollment.	Number of graduates in 1888-89.				
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1850	1850	Christian ..	4	8	12				135					82
1856	1856	Baptist ..	3	7	10	37	118		155	11	Yes ..	4		83
1872	1872	Presb ..	2	10	12	30	104		139	15	Yes ..	4		84
1884	1871	Presb ..	2	6	8	23	64		92	2	Yes ..		0	85
		Christian ..	1	4	5	25	110		135	11	No ..	4	0	86
1871	1871	Non-sect..	2	5	7	10	20		30	3		4	0	87
1855	1855	Baptist ..	4	5	9	20	57	5	82	2	Yes ..	4		88
			2	11	13				127		Yes ..			89
1859	1859	Presb ..	1	8	9	25	80		106		Yes ..			90
1878	1872	Baptist ..	5	6	12		185	8	185	5	Yes ..	4	0	91
1853	1830	Presb ..	2	9	11	7	89		109	10		4		92
1853	1859	Non-sect..	2	19	21	161	147	17	325	22	No ..	5		93
	1848	R. C ..		10	10	26	74		100	0		6		94
1869	1869	Non-sect..	2	8	10	90	68		188	11	No ..	4		95
1852	1845	M. E. ....	4	4	8		213		213	16	Yes ..	3-4		96
1853	1854	Non-sect..	1	7	8	6	34	0	40	5		4		97
1846	1837	P. E ..	2	10	12			5	67	15	No ..	6		98
1884	1844	Non-sect..	1	8	9	21	35	2	77	4	No ..	4		99
1861		R. C ..		25	25	20	100		123	7	No ..	6	0	100
1871	1870	P. E ..	8	20	28				254					101
	1851	Non-sect..	5	16	21				155	6				102
1853	1854	Non-sect..	3	47	50	376	410	8	786	37	No ..	3	0	103
1851	1851	Non-sect..	2	11	13	20			187	11	No ..	4-6		104
	1876	Non-sect..	2	8	10	32			83	2	No ..	3-4		105
1864	1847	R. C ..	3	16	19	100	77		300	6	Yes ..	4		106
1851	1843	R. C ..	2	22	24	90	40	8	150	8		4		107
		R. C ..		14	14	50	100	0	150	6		6	0	108
	1860	R. C ..	1	11	12	45	80	2	127	2		6	104	109
1845		M. E. So. .	2	10	12	25	85		110	8	Yes ..	4	0	110
1822	1857	Presb ..	2	6	8	51	91	2	160	17	No ..	3	0	111
1884	1879	Luth ..	3	2	5	38	49		89	6	Yes ..	4	0	112
1838	1846	Meth ..	4	11	15				165	40	Yes ..	4		113
1880	1881	Non-sect..	2	7	9	87			87	4	Yes ..	7		114
1856	1858	M. E. So. .	1	7	8	37	44	1	82	5	Yes ..	4	0	115
1849	1843	Baptist ..	2	6	8	12	60		72	8		4	12	116
	1853	Meth ..	2	4	6	8	40		48	2	Yes ..	3		117
1850	1880	Presb ..	2	7	9	23	94		117					118
1874	1865	Baptist ..	3	2	5	6	11		113		Yes ..	4		119
1857	1872	Presb ..	3	11	14	30	100		130	17	No ..	4		120
	1842	P. E ..	2	13	15	29	100	7	130	4		5		121
1866	1802	Moravian.	4	22	26	42	184	43	269	24	Yes ..	4		122
1867	1849	Non-sect..	4	5	9	24	49		73	4	Yes ..	4		123
1872	1872	Non-sect..	1	4	5	50	51		108	0	Yes ..	4		124
	1875	P. E ..	3	12	15	22	74		113	8	No ..	6		125



TABLE 2.—DIVISION B.—Statistics of institutions for the higher

	Location.	Name.	President.
	1	2	3
	OHIO—continued.		
126	Cincinnati (Wesley ave.)	Cincinnati Wesleyan College.....	Rev. W. K. Brown, D. D.....
127	Cincinnati	Mt. Auburn Young Ladies' Institute.	H. Thane Miller.....
128	Cleveland (Euclid avenue and Adelbert st.)	Cleveland College for Women .....	Hiram C. Haydn, D. D., LL.D.
129	Glendale	Glendale Female College.....	Rev. L. D. Potter, D. D.....
130	Granville	Granville Female College.....	Rev. D. B. Hervey.....
131	do	Shepardson College.....	Galusha Anderson, D. D., LL.D.
132	Oxford	Oxford Female College.....	Rev. Faye Walker, D. D.....
133	do	Western Female Seminary.....	Miss Leila S. McKee.....
134	Painesville	Lake Erie Female Seminary.....	Miss Mary Evans.....
	OREGON.		
135	Portland	St. Helen's Hall.....	Rt. Rev. B. Wistar Morris, D. D.
	PENNSYLVANIA.		
136	Allentown	Allentown Female College.....	Rev. Wm. McC. Reily.....
137	Bethlehem	Moravian Seminary for Young Ladies.	Rev. J. Blickensderfer.....
138	Blairsville	Blairsville Ladies' Seminary.....	T. R. Ewing, D. D.....
139	Chambersburg	Wilson College.....	Rev. J. Edgar, PH. D.....
140	Germantown (202-204 W. Chelton ave.)	Boarding and Day School for Young Ladies.	Miss Mary E. Stevens.....
141	Mechanicsburg	Irving Female College.....	Miss Mary L. Kessler.....
142	Media	Brooke Hall Female Seminary *.....	M. L. Eastman.....
143	Ogontz	Ogontz School for Young Ladies .....	Misses Frances E. Bennett and S. J. Eastman.
144	Philadelphia (1325 N. Broad st.)	Philadelphia Seminary .....	Rebecca E. Judkins.....
145	Pittsburgh	Pittsburgh Female College.....	Rev. A. H. Norcross, D. D.....
146	Washington	Washington Female Seminary.....	Miss N. Sherrard.....
	SOUTH CAROLINA.		
147	Columbia	Columbia Female College*.....	Rev. O. H. Darby, D. D.....
148	Due West	Due West Female College.....	Mrs. L. M. Bonner.....
149	Gaffney City	Cooper Limestone Institute.....	H. P. Griffith.....
150	Greenville	Greenville Female College.....	Alexander S. Townes.....
151	Walhalla	Walhalla Female College.....	Henry G. Reed.....
	TENNESSEE.		
152	Brownsville	Brownsville Female College.....	Th. Smith.....
153	do	Wesleyan Female College.....	Rev. John Williams, A. M.....
154	Columbia	Columbia Athenæum.....	Robt. D. Smith, A. M.....
155	Jackson	Memphis Conference Female Insti- tute.	Rev. A. W. Jones, A. M., D. D.
156	Nashville	Nashville College for Young Ladies..	Rev. Geo. W. F. Price, D. D.....
157	do	St. Cecilia Academy*.....	Mother Frances.....
158	do	Ward's Seminary for Young Ladies..	Mrs. J. B. Hancock.....
159	Pulaski	Martin Female College *.....	John S. Wilkes.....
160	Rogersville	Synodical Female College.....	Mrs. F. A. Ross.....
161	Shelbyville	Shelbyville Female College*.....	J. P. Hamilton, A. M.....
162	Winchester	Mary Sharp College.....	John L. Johnson.....
	TEXAS.		
163	Chappell Hill	Chappell Hill Female College.....	Rev. E. W. Tarrant, A. M.....
164	Belton	Baylor Female College.....	John Hill Luther, D. D.....
165	Waco	Waco Female College.....	R. O. Rounsavall, A. M.....
	VIRGINIA.		
166	Abingdon	Stonewall Jackson Female Institute..	Miss Kate M. Hunt.....
167	do	Martha Washington College.....	Rev. D. S. Hearon, A. M., D. D.

\* Statistics of 1887-88.

instruction of women for 1888-89.—PART I—Continued.

Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.					Are you authorized to confer degrees?	Number of years in college course.	Number of State scholarships.	Number of other scholarships.
			Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total enrollment.	Number of graduates in 1888-89.				
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1842	1842	M. E. ....	5	15	20	.....	47	.....	81	13	Yes...	4	0	0
1856	1856	Non-sect..	5	9	14	.....	85	9	91	12-19	Yes...	4	.....	127
1884	1888	Non-sect..	8	1	9	.....	23	0	23	0	Yes...	4	0	0
1854	1854	Presb. ....	2	10	12	16	71	3	113	14	No....	4	0	0
1836	1827	Presb. ....	2	7	9	.....	54	.....	54	13	.....	5	0	0
1886	1887	Baptist...	8	5	13	52	18	.....	116	0	Yes...	4	0	6
1849	1849	Presb. ....	5	16	21	24	140	2	186	15	.....	4	0	4
1853	1855	Non-sect..	18	18	.....	142	.....	142	142	12	No....	4	.....	2
1856	1859	Non-sect..	6	20	26	31	81	.....	140	12	No....	4	0	0
1869	1869	P. E. ....	1	10	11	30	123	1	153	2	Yes...	9	.....	2
1867	1867	Reformed..	...	5	5	16	80	2	96	10	Yes...	3	.....	136
1863	1785	Moravian..	3	12	15	11	90	1	102	3	Yes...	4	.....	137
.....	1851	Presb. ....	1	7	8	.....	.....	.....	45	4	No....	4	.....	138
1869	1870	Presb. ....	4	20	24	40	150	.....	190	13	Yes...	4	.....	139
.....	1868	P. E. ....	6	9	15	.....	.....	.....	100	5	.....	.....	.....	140
1856	1856	Lutheran..	1	4	5	9	12	.....	34	0	Yes...	4	.....	141
.....	.....	P. E. ....	2	12	14	.....	50	.....	7	7	No....	4	.....	142
.....	1830	Non-sect..	6	17	23	.....	103	4	103	21	No....	4	.....	143
.....	1871	.....	4	10	14	71	20	3	91	18	.....	4	.....	144
1854	1853	M. E. ....	13	9	22	98	104	15	233	16	No....	4	.....	26
1836	1836	Presb. ....	.....	17	17	30	158	.....	224	21	No....	4	.....	146
1854	1857	M. E. So ..	3	10	13	6	126	.....	140	18	No....	4	.....	2
1859	1859	Non-sect..	1	9	10	71	90	.....	161	23	Yes...	4	.....	148
.....	1881	Baptist...	3	5	8	20	85	3	105	12	No....	4	.....	149
1854	1855	Baptist...	2	11	13	72	146	8	236	20	Yes...	5	0	0
.....	1877	Non-sect..	1	5	6	30	60	.....	90	0	Yes...	4	.....	151
1852	1851	Baptist...	3	6	9	.....	.....	.....	99	6	Yes ..	4	.....	6
1870	1867	M. E. So ..	1	5	6	30	33	.....	63	6	Yes...	4	.....	153
1858	1852	Non-sect..	5	12	17	.....	.....	.....	182	8	Yes...	4	.....	5
1843	1844	M. E. So ..	2	8	10	42	102	.....	164	23	Yes...	5	0	0
1882	1850	M. E. So ..	2	14	16	.....	.....	.....	326	13	.....	4	0	0
1883	1860	R. C. ....	.....	21	21	25	80	10	.....	6	Yes...	4	.....	157
1887	1885	Non-sect..	1	16	17	27	306	21	333	51	.....	4	.....	158
1872	.....	Non-sect..	2	11	13	.....	.....	.....	184	.....	Yes...	.....	.....	159
1848	1850	Presb. ....	2	8	10	53	60	.....	113	6	.....	5	.....	160
1884	1853	Non-sect..	1	5	6	30	70	.....	100	2	Yes...	4	0	1
1850	1850	Baptist...	2	6	8	13	89	.....	113	.....	.....	4	.....	162
1852	1852	M. E. So ..	2	6	8	.....	.....	.....	113	.....	Yes...	.....	.....	163
1845	1845	Baptist...	5	10	15	50	150	2	200	6	Yes...	4	.....	164
1856	1856	M. E. So ..	4	10	14	64	123	2	197	9	No....	4	0	0
1868	1868	Presb. ....	1	4	5	16	47	.....	63	5	.....	2-4	0	0
1859	1860	M. E. So ..	4	6	10	25	75	.....	100	6	Yes...	4	0	0

TABLE 2.—DIVISION B.—*Statistics of institutions for the higher*

Location.	Name.	President.
1	2	3
VIRGINIA—continued.		
168 Charlottesville .....	Albemarle Female Institute.....	W. P. Dickinson .....
169 Christiansburg .....	Montgomery Female College .....	Mrs. E. T. Baird .....
170 Danville.....	Danville College for Young Ladies .....	R. H. Sharp, jr., M. A. ....
171 ..do .....	Roanoke Female College .....	J. T. Averett, A. M. ....
172 Glade Spring .....	Southwest Virginia Institute.....	M. M. Hargrove, A. M. ....
173 Gordonsville.....	Central Female Institute.....	Rev. James Dinwiddie.....
174 Hollins .....	Hollins Institute .....	Charles L. Cocke, A. M. ....
175 Marion .....	Marion Female College.....	Rev. J. J. Scherer, A. M. ....
176 Norfolk .....	Norfolk College for Young Ladies.....	John L. Roper .....
177 Petersburg.....	Southern Female College*.....	W. T. Davis, A. M. ....
178 Richmond .....	Richmond Female Institute .....	Miss S. B. Hamner .....
179 Staunton .....	Augusta Female Seminary .....	Miss Mary I. Baldwin .....
180 ..do .....	Sherwood Female Seminary .....	Prof. J. L. Massey .....
181 ..do .....	Staunton Female Seminary.....	Rev. Jas. Willis, A. M. ....
182 ..do .....	Virginia Female Institute .....	Mrs. J. E. B. Stuart .....
183 Warrenton .....	Fauquier Institute .....	George G. Butler, A. M. ....
184 Winchester.....	Valley Female College.....	Rev. John P. Hyde, A. M., D. D.
WEST VIRGINIA.		
185 Clarksburg .....	Broadbuds College.....	Rev. J. L. McCutcheon, A. M.
186 Parkersburg.....	Parkersburg Female Seminary .....	Rev. S. S. Moore.....
187 Wheeling .....	Wheeling Female College.....	Rev. H. R. Blaisdell, PH. D...
WISCONSIN.		
188 Fox Lake .....	Downer College .....	Miss Mary E. Lyon.....
189 Milwaukee .....	Milwaukee College* .....	Charles S. Farrar, A. M. ....
190 Sinsinawa Mound .....	St. Clara Academy .....	Sister M. Emily .....

\* Statistics of 1887-88.



instruction of women for 1888-89.—PART I—Continued.

Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.					Are you authorized to confer degrees?	Number of years in college course.	Number of State scholarships.	Number of other scholarships.	
			Male.	Female.	Total.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total enrollment.	Number of graduates in 1888-89.					
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1875	1845	Baptist...	2	4	6	.....	63	.....	63	.....	Yes...	.....	.....	.....	168
1861	1852	Presb.....	2	4	6	.....	18	.....	56	.....	7	.....	.....	1	169
1883	1883	M. E. So...	3	6	9	.....	24	.....	77	.....	4	.....	.....	.....	170
1859	1859	Baptist...	3	4	7	.....	8	.....	88	.....	5	.....	3	0	171
1886	1884	.. do .....	1	10	11	.....	27	.....	110	.....	12	.....	4	0	172
.....	1885	Non-sect..	2	7	9	.....	26	.....	56	.....	11	.....	2-5	0	173
1855	1843	Baptist...	6	10	16	.....	12	.....	164	.....	3	.....	.....	0	174
1874	1873	Lutheran..	3	5	8	.....	34	.....	71	.....	4	.....	.....	.....	175
1880	1880	Non-sect..	4	10	14	.....	130	.....	100	.....	12	.....	5	0	176
1863	1862	.. do .....	2	4	6	.....	15	.....	31	.....	3	.....	.....	.....	177
1852	1852	Baptist...	1	11	12	.....	24	.....	100	.....	124	.....	4	.....	178
1884	1842	Presb.....	5	16	21	.....	50	.....	175	.....	225	.....	.....	3	179
1886	1886	Baptist...	5	5	10	.....	.....	.....	.....	.....	30	.....	.....	.....	180
1870	1875	Lutheran..	5	5	10	.....	.....	.....	75	.....	80	.....	.....	.....	181
1844	1845	P. E .....	4	11	15	.....	20	.....	79	.....	99	.....	4	.....	182
1859	1859	Non-sect..	1	5	6	.....	.....	.....	.....	.....	1	.....	7	.....	183
1874	1874	M. E. So ..	2	5	7	.....	15	.....	35	.....	31	.....	3	.....	183
.....	.....	.....	.....	.....	.....	.....	.....	.....	52	.....	4	.....	3	1	184
1877	1871	Baptist...	1	6	7	.....	11	.....	29	.....	25	.....	5	.....	185
1883	1878	Non-sect..	.....	3	3	.....	.....	.....	.....	.....	35	.....	0	.....	186
1848	1850	.. do .....	1	8	9	.....	8	.....	56	.....	2	.....	64	.....	187
1855	1855	Cong .....	.....	7	7	.....	31	.....	24	.....	10	.....	55	.....	188
1853	1853	Non-sect..	2	12	14	.....	100	.....	35	.....	.....	.....	183	.....	189
1852	1845	R. C .....	.....	25	25	.....	44	.....	42	.....	10	.....	90	.....	190

TABLE 2.—DIVISION B.—Statistics of institutions for the higher instruction of women for 1888-89.—PART II.

	Name.	19	20	21	22	23	24	25	26	27	28
		Annual charge for tuition to each pupil	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
	ALABAMA.										
1	Athens Female College	\$120	400	\$209	\$20,000				\$360	\$360	
2	Union Female College*	40	85	50	5,000						
3	Huntsville Female College	20-60	5,368	6,750	50,000			0	42,000	42,000	
4	Huntsville Female Seminary	30-50	3,000	100	15,000			0	7,500	7,500	\$16,000
5	Judson Female Institute	60	3,000	100	70,000	0		0			
6	Marion Female Seminary*	60	20,000		20,000			0			
7	Central Female College	20-60	1,000	400	215,000	0		0			0
8	Tuscaloosa Female College*	20-60									
9	Alabama Conference Female College*	15-25									
	CALIFORNIA.										
10	The Ellis College*	25	3,600		325,000	\$50,000	\$3,500	0	7,500	11,000	
11	Mills College	60	1,000	200	15,000				5,000	5,000	
12	Santa Rosa Ladies' College										
	GEORGIA.										
13	Lacy Cobb Institute	60	800	200	20,000			\$695	1,500	2,200	
14	Georgia Methodist Female College	35	800	500	12,000						
15	Andrew Female College	50	2,500								
16	Dalton Female College*	12-20									
17	Monroe Female College	30-50			15,000	0					
18	La Grange Female College	50	780	400	35,000				7,250	15,925	
19	Southern Female College	30-50	1,600	1,600	40,000						
20	Wesleyan Female College	50	3,000	2,500	250,000	40,000	2,000			2,000	
21	Young Female College	30			20,000						
	ILLINOIS.										
22	Seminary of the Sacred Heart		1,600	1,200							
23	Ahmbra College	45	1,500	500	4,100				2,242	2,454	
24	Illinois Female College*		2,000	500	100,000						
25	Jacksonville Female Academy	25-50	1,500	500	60,000						
26	St. Mary's School	80	1,500	2,500	100,000	0	0	0	15,000	15,000	5,000
27	Chicago Female College		400	100	30,000				12,000	12,000	





TABLE 2.—DIVISION B.—Statistics of institutions for the higher instruction of women for 1888-89.—PART II—Continued.

	Name.	19	20	21	22	23	24	25	26	27	28
		Annual charge to each pupil for tuition.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
	MASSACHUSETTS.										
62	Abbot Academy.....	\$54	3,000	\$2,500	\$50,000	\$27,925	\$1,206	0	\$7,170	\$32,842	\$13,562
63	Lassell Seminary for Young Women.....	100	1,400	2,000	120,000	0	0	0	12,000	12,000	.....
64	Gannett Institute.....	150-200	5,000	500	60,000	.....	.....	.....	.....	.....	.....
65	Bradford Academy.....	65	4,500	.....	15,000	43,000	2,400	0	9,346	12,000	0
66	Wheaton Female Seminary.....	33-45	6,000	.....	.....	.....	129	.....	5,950	6,588	6,657
	MICHIGAN.										
67	Michigan Female Seminary.....	50	1,530	1,500	50,000	23,000	1,300	.....	3,000	4,300	500
	MINNESOTA.										
68	Albert Lea College.....	30	1,500	300	40,000	0	0	0	1,450	7,200	6,500
69	St. Mary's Hall.....	40-50	3,000	.....	100,000	.....	.....	.....	25,000	35,000	.....
70	Bennet Seminary*.....	30-90	350	300	75,000	.....	.....	.....	5,000	5,000	.....
	MISSISSIPPI.										
71	Blue Mountain Female College.....	40	1,200	100	20,000	.....	.....	.....	13,000	13,000	.....
72	Whitworth Female College*.....	40-50	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Central Female Institute.....	30-50	2,000	1,000	20,000	.....	.....	\$410	4,000	4,410	.....
74	Industrial Institute and College.....	(a)	400	750	140,000	0	0	22,589	.....	22,589	.....
75	Corinth Female College.....	a250-500	.....	.....	4,000	.....	.....	.....	.....	.....	.....
76	Franklin Female College*.....	.....	150	.....	10,000	.....	.....	.....	.....	.....	.....
77	East Mississippi Female College*.....	.....	300	150	20,000	.....	.....	.....	.....	.....	.....
78	Union Female College.....	30-50	500	150	40,000	.....	.....	.....	.....	.....	.....
79	Shuqualak Female College.....	30-50	500	150	40,000	.....	.....	.....	.....	.....	.....
80	Shuqualak Female College.....	30	300	75	8,000	.....	.....	555	3,190	3,705	.....
81	Starkville Female Institute.....	30-50	1,500	200	10,000	.....	.....	.....	.....	.....	.....
	LEA Female College.....	30-50	300	.....	10,000	.....	.....	.....	2,500	2,500	.....
	MISSOURI.										
82	Christian Female College*.....	6000	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Stephens Female College.....	40	1,000	200	35,000	20,000	600	.....	9,000	12,000	1,000
84	Fulton Synodical Female College.....	50	500	200	30,000	.....	.....	.....	3,750	3,750	.....
85	Kansas City Ladies' College.....	50	.....	1,000	30,000	.....	.....	.....	4,000	4,000	.....

[illegible]

*b* Includes board.

a Free to Mississippi girls holding scholarships.

\* Statistics of 1887-88.

TABLE 2.—DIVISION B.—Statistics of institutions for the higher instruction of women for 1888-89.—PART II—Continued.

Name.	19	20	21	22	23	24	25	26	27	28
	Annual charge to tuition.	Number of vol-umes in library.	Value of scien-tific apparatus.	Value of grounds and buildings.	Amount of pro-ductive funds.	Income from pro-ductive funds.	Amount of State aid or municipal aid within the year.	Receipts from tuition fees.	Total income.	Benefactions.
<b>2</b>										
<b>OHIO.</b>										
125 Bartholomew English and Classical School.....	\$90-150	1,100	\$400	\$40,000	\$7,000	\$350	0		\$350	0
126 Cincinnati Wesleyan College.....	100	2,160		250,000	50,000	0	0	\$500	10,500	\$60,000
127 Mt. Auburn Young Ladies' Institute.....	150	100	600	150,000	50,000	0	0			0
128 Cleveland College for Women.....	30-50	3,200		60,000	0					
129 Glendale Female College.....	36	1,000		20,000	70,000	4,420		3,700	8,120	
130 Granville Female College.....	33			30,000						
131 Shepardson College.....	50			50,000	29,000	2,030	0	17,581	19,614	16,200
132 Oxford Female College.....	a170	4,791	3,000	134,633	29,000	2,690	0	25,958	28,644	19,500
133 Western Female Seminary.....	a200	2,800		150,000						
134 Lake Erie Female Seminary.....										
<b>OREGON.</b>										
135 St. Helen's Hall.....		1,000								
<b>PENNSYLVANIA.</b>										
136 Allentown Female College.....	50	500		40,000					2,000	
137 Moravian Seminary for Young Ladies.....	60	6,000		150,000						
138 Blaisville Ladies' Seminary.....	40	800	300	25,000						
139 Wilson College.....	60	3,000	3,000	100,000	3,000	100	0	10,000	10,100	1,100
140 Boarding and Day School for Young Ladies	150	1,500	300							
141 Irving Female College.....	225	200		20,000	0	0	0	1,200	1,200	
142 Brooke Hall Female Seminary*.....	a 400									
143 Ogontz School for Young Ladies.....	200	10,000	2,000	30,000						
144 Philadelphia Seminary.....	150	1,700								
145 Pittsburgh Female College.....	60-80	600	1,000	150,000	10,000	1,030	0		12,000	1,000
146 Washington Female Seminary.....	24-40	600	400	25,000	0					
<b>SOUTH CAROLINA.</b>										
147 Columbia Female College*.....	50	600	800	50,000				5,000	5,000	0
148 Due West Female College.....	45	500		15,000	1,000	80	\$180	4,500	5,000	0
149 Cooper Limestone Institute.....	50		500	25,000				3,000	3,000	0
150 Greenville Female College.....	25-50	1,000		20,000	0	0	0			
151 Walhalla Female College.....	30						200	2,500	2,700	



TENNESSEE.									
152	Brownsville Female College.....	29-30, 54	40	1,000	1,000	20,000	0	3,300	0
153	Wesleyan Female College.....	30-50	5,000	5,000	6,000	0	0	3,300	0
154	Columbia Athensum.....	40-70	1,000	1,500	45,000	0	0	0	0
155	Memphis Conference Female Institute.....	40-70	1,000	500	87,000	0	0	0	0
156	Nashville College for Young Ladies.....	40-60	6,000	500	150,000	0	0	15,600	0
157	St. Cecilia Academy*.....	15-30	20-50	50	60,000	0	0	10,586	0
158	Ward's Seminary for Young Ladies.....	20-50	300	500	30,000	0	0	20,742	0
159	Martin Female College*.....	20-80	300	500	20,000	0	0	3,500	0
160	Synodical Female College.....	30-40	300	500	8,000	0	0	0	0
161	Shelbyville Female College*.....	60	300	75	8,000	0	0	0	0
162	Mary Sharp College.....	30-50	500	100	100,000	0	0	0	0
163	Chappell Hill Female College.....	30, 40, 50	1,200	500	30,000	0	0	5,000	0
164	Bay for Female College.....	30, 40, 50	1,200	500	30,000	0	0	25,000	0
165	Waco Female College.....	20-50	300	800	20,000	0	0	12,000	0
166	Stonewall Jackson Female Institute.....	15-50	1,000	500	76,000	0	0	5,000	0
167	Martha Washington College.....	50	250	1,000	24,000	0	0	2,000	0
168	Albemarle Female Institute.....	35-50	1,500	300	40,000	0	0	4,000	0
169	Montgomery Female College.....	10-45	1,500	300	34,000	0	0	4,331	0
170	Danville College for Young Ladies.....	50	250	500	20,000	2,500	150	5,000	5,000
171	Roanoke Female College.....	30-50	800	1,500	100,000	0	0	4,000	0
172	Southwest Virginia Institute.....	60	230	130	20,000	0	0	15,000	0
173	Central Female Institute.....	20-40	300	500	60,000	0	0	12,500	0
174	Hollins Institute.....	30-50	1,500	500	12,000	0	0	2,500	0
175	Marion Female College.....	45-150	2,000	75,000	75,000	0	0	6,000	0
176	Norfolk College for Young Ladies.....	50	600	200	20,000	0	0	0	0
177	Southern Female College*.....	27-50	500	1,000	40,000	0	0	0	0
178	Richmond Female Institute.....	30, 40, 50	600	500	10,000	0	0	0	0
179	Augusta Female Seminary.....	35-45	500	50	15,000	0	0	4,000	0
180	Sherwood Female Seminary.....	50	350	500	10,000	0	0	1,200	0
181	Staunton Female Seminary.....	45-35	200	500	16,000	0	0	0	0
182	Virginia Female Institute.....	50	350	500	10,000	0	0	0	0
183	Panquier Institute.....	46	200	500	10,000	0	0	0	0
184	Valley Female College.....	28-36	1,750	200	25,000	45,000	2,500	1,200	1,000
185	Bronddus College.....	50-60	2,000	2,000	100,000	0	0	7,500	0
186	Parkersburg Female Seminary.....	6175	2,000	1,200	0	0	0	0	0
187	Wheeling Female College.....	188	Downer College.....	189	Milwaukee College*.....	190	St. Clara Academy.....	aIncludes board.	

\* Statistics of 1887-88.

aIncludes board.

## II.—COLLEGES AND UNIVERSITIES.

The number of colleges and universities in the United States is constantly increasing, and this year the number reporting to this Office is larger than ever before. The general plan of presenting the statistics of these institutions does not differ from the plan followed in the preceding report.

Table 3 presents the statistics, somewhat condensed, of a group of institutions

TABLE 3.—*Statistics of foundations comprising groups*

Name and location.	College of arts and science.		Schools of science, pure and applied.			Number of students in graduate department.	Professional schools.			Total number of instructors without duplication.	Total number of students without duplication.	Number of endowed professorships.	Number of fellowships.
	Number of instructors.	Number of students.	Number of schools.	Number of instructors.	Number of students.		Number of schools.	Number of instructors.	Number of students.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Yale University, New Haven, Conn.	44	688	1	31	308	79	3	53	274	130	1,365	....	6
2 Columbian University, Washington, D. C.	a16	b121	1	17	96	....	3	42	338	52	555	0	....
3 De Pauw University, Greencastle, Ind.	c30	d594	....	....	....	5	2	10	94	53	906	....	....
4 Johns Hopkins University, Baltimore, Md.	55	178	....	....	....	216	....	....	....	55	394	2	20
5 Boston University, Boston, Mass...	18	254	1	12	125	114	3	72	381	119	875	1	2
6 Harvard University, Cambridge, Mass.	95	1,180	2	26	41	85	5	129	583	198	1,899	31	17
7 Dartmouth College, Hanover, N. H.	19	229	3	23	110	....	1	14	68	45	407	11	....
8 College of New Jersey, Princeton, N. J.	42	574	1	....	....	93	....	....	....	42	667	....	12
9 Cornell University, Ithaca, N. Y....	90	1,066	....	....	....	69	2	17	94	95	1,229	2	8
10 Columbia College, New York, N. Y.	46	263	1	39	238	28	2	84	1,194	168	1,768	2	24
11 University of Pennsylvania, Philadelphia, Pa.	48	370	1	....	....	31	5	130	787	169	1,222	5	1
12 Vanderbilt University, Nashville, Tenn.	23	152	1	18	51	15	5	51	443	70	615	....	8

\* Statistics of 1887-88.

a Includes 7 instructors in the preparatory department.

b Includes 81 students in the preparatory department.

which, together with certain of the State universities, Table 4, approach more nearly to the idea of true universities than any other institutions in the country. Nearly all of them provide fellowships, two-thirds of the entire number of fellowships belonging to such foundations being owned by them. They are also liberally provided with scholarships and productive funds, at least 43 per cent. of the total amount of productive funds reported by colleges and universities being possessed by these institutions.

*of related faculties, colleges, or schools, for 1888-89.*

Number of State scholarships.	Number of other scholarships.	Number of volumes in libraries.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Receipts from tuition fees.	Total income.	Benefactions.	Other schools.
15	16	17	18	19	20	21	22	23	24	25
.....	.....	200, 000	.....	.....	.....	.....	.....	.....	.....	"School of the Fine Arts" reporting 7 in the faculty and 47 students.
.....	14	7, 000	.....	\$500, 000	\$250, 000	\$11, 456	\$29, 584	\$41, 040	.....	.....
.....	.....	15, 000	\$15, 000	250, 000	1, 000, 000	.....	.....	.....	\$7, 500	.....
0	67	35, 000	167, 104	682, 000	3, 000, 000	74, 902	38, 800	113, 702	100, 000	.....
.....	127	20, 500	.....	353, 000	798, 988	95, 916	31, 607	127, 523	90, 337	"College of Music" reporting 22 students.
.....	153	343, 318	750, 000	3, 000, 000	6, 705, 046	332, 102	282, 433	722, 410	268, 937	.....
.....	143	70, 200	*100, 000	*200, 000	*850, 000	*43, 000	*17, 000	*63, 000	.....	.....
.....	77	133, 800	.....	.....	.....	.....	.....	.....	.....	.....
512	36	102, 760	422, 207	930, 736	4, 528, 351	276, 336	38, 475	329, 811	.....	.....
.....	111	100, 000	549, 463	1, 530, 000	6, 668, 966	566, 494	148, 463	725, 885	.....	"School of Political Science" reporting 69 students, and "School of Library Economy" 32 students.
.....	92	80, 000	261, 500	2, 121, 000	1, 469, 930	78, 463	146, 317	224, 780	120, 789	"School of Biology" reporting 37 students.
.....	31	13, 500	85, 000	700, 000	980, 000	63, 000	38, 500	101, 500	.....	.....

*c* Includes 16 instructors in the preparatory department.

*d* Includes 326 students in the preparatory department.



TABLE 4.—*Statistics of State*

	Name.	Colleges of arts and science.				Number of students in graduate department.	Professional schools.			Total number of instructors.	Total number of students.	Number of endowed professorships.
		Preparatory department.		Undergraduate department.			Number of schools.	Number of instructors.	Number of students.			
		Number of instructors.	Number of students.	Number of instructors.	Number of students.							
	1	2	3	4	5	6	7	8	9	10	11	12
1	University of Alabama, University, Ala.	0	0	15	186	3	1	3	19	18	208	-----
2	University of California, Berkeley, Cal.	0	0	47	363	14	4	62	255	107	616	1
3	University of Colorado, Boulder, Colo.	....	66	9	27	0	1	12	16	20	124	0
4	University of Georgia, Athens, Ga.	0	0	14	147	-----	2	13	136	333	419	1
5	University of Illinois, Urbana, Ill.	5	121	29	293	4	-----	-----	-----	30	418	0
6	Indiana University, Bloomington, Ind.	4	131	22	291	9	0	0	0	26	431	0
7	University of Iowa, Iowa City, Iowa.	0	0	23	281	6	5	52	364	56	621	0
8	University of Kansas, Lawrence, Kans.	....	207	-----	131	3	2	....	94	33	504	0
9	Louisiana State University, Baton Rouge, La.	2	80	11	64	-----	0	0	0	13	144	0
10	University of Michigan, Ann Arbor, Mich.	0	0	52	761	65	5	46	1,059	82	1,885	0
11	University of Minnesota, Minneapolis, Minn.	....	46	28	518	34	4	70	183	107	781	0
12	University of Mississippi, University, Miss.	2	27	11	145	-----	1	1	17	14	189	0
13	University of Missouri, Columbia, Mo.	-----	-----	-----	-----	-----	2	5	80	34	643	0
14	University of Nebraska, Lincoln, Nebr.	....	135	-----	191	9	0	0	0	29	427	0
15	University of Nevada, Reno, Nev.	-----	-----	-----	43	-----	0	0	0	7	143	0
16	University of North Carolina, Chapel Hill, N. C.	0	0	13	164	2	1	2	22	14	188	0
17	Ohio State University, Columbus, Ohio.	....	165	-----	197	11	2	....	28	29	401	-----
18	University of Oregon, Eugene City, Oregon.	-----	-----	9	160	0	2	23	54	32	214	0
19	University of South Carolina, Columbia, S. C.	-----	-----	27	175	14	2	11	44	28	235	0
20	University of Tennessee, Knoxville, Tenn.	0	0	20	257	2	2	18	209	38	468	-----
21	University of Texas, Austin, Tex.	0	0	13	187	4	1	2	91	15	278	0
22	University of Vermont, Burlington, Vt.	0	0	15	132	1	1	23	187	38	468	3
23	University of Virginia, Charlottesville, Va.	0	0	26	246	19	2	6	-----	30	440	5
24	West Virginia University, Morgantown, W. Va.	6	79	11	102	-----	1	2	19	18	195	-----
25	University of Wisconsin, Madison, Wis.	0	0	55	549	5	2	11	168	63	722	0

a Includes school of technology.

universities for 1888-89.

Number of fellowships.	Number of state scholarships.	Number of other scholarships.	Number of volumes in libraries.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Receipts from State appropriation.	Receipts from tuition fees.	Total income.	Benefactions.
13	14	15	16	17	18	19	20	21	22	23	24
6	.....	.....	7,000	\$20,000	\$250,000	\$300,000	\$24,000	.....	\$1,000	\$25,000	.....
0	0	0	39,112	150,000	1,050,000	1,919,500	115,170	\$97,000	.....	212,170	0
.....	.....	.....	10,500	16,000	80,000	50,000	7,850	32,187	343	40,580	\$200
.....	.....	.....	16,000	75,000	168,000	445,000	30,000	.....	.....	30,000	.....
0	5	0	18,000	133,118	450,000	436,769	21,557	34,192	11,144	66,893	0
0	80	.....	10,000	4,000	200,000	340,000	16,337	23,000	4,875	45,648	0
0	0	0	22,652	50,000	300,000	226,899	14,994	54,000	22,386	91,380	0
0	0	0	10,222	125,000	300,000	170,000	8,000	75,000	0	83,000	.....
0	0	10	18,832	10,000	300,000	318,313	14,556	10,000	0	39,556	0
1	0	0	69,843	450,000	740,000	544,152	38,000	156,272	80,000	274,272	10,000
2	0	0	22,000	80,000	1,600,000	850,000	37,000	35,000	8,100	95,100	150,000
1	.....	4	14,500	50,000	300,000	544,061	32,644	.....	850	35,104	.....
0	.....	6	18,450	50,000	300,000	534,000	28,000	32,650	11,000	78,383	.....
0	0	0	11,400	65,000	425,000	652,000	30,000	87,500	0	117,500	0
0	0	0	1,100	2,000	35,000	125,000	5,000	24,000	0	29,000	0
0	.....	6	27,000	60,000	250,000	18,000	400	20,000	7,000	27,400	.....
.....	.....	.....	9,400	50,000	800,000	537,841	.....	.....	6,658	74,145	.....
.....	.....	.....	3,070	15,000	64,000	130,000	9,400	14,000	2,660	26,000	0
2	.....	6	22,000	115,000	315,000	191,000	5,754	37,500	7,000	50,254	2,000
.....	275	.....	8,000	.....	.....	420,000	24,500	1,000	12,000	37,500	0
0	0	0	5,553	50,000	150,000	549,300	41,589	25,000	3,690	70,279	.....
0	.....	32	36,472	150,000	275,000	250,000	21,278	6	5,981	34,002	26,000
0	.....	17	52,000	270,800	778,600	291,000	17,666	35,000	24,902	95,212	3,096
.....	.....	.....	5,600	10,000	100,000	107,000	7,000	29,000	800	36,800	.....
9	.....	10	29,000	125,000	900,000	.....	28,000	88,000	14,895	130,895	.....

b Medical department.

TABLE 5.—Summary of statistics of colleges of liberal arts for 1888-89.

State or Territory.	Professors and instructors.				Students.												Total number.			
	Number of institutions.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.									
		Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
NORTH ATLANTIC DIVISION.																				
1 Maine.....	3	0	35	0	35	0	0	0	390	51	441	2	0	2	0	0	0	332	51	443
2 New Hampshire.....	1	0	20	0	20	0	0	0	229	0	229	0	0	0	0	0	0	229	0	229
3 Vermont.....	2	0	24	0	24	0	0	0	138	28	166	1	0	1	0	0	0	307	28	335
4 Massachusetts.....	7	5	199	19	218	56	0	56	2,417	163	2,580	186	33	219	11	11	22	2,670	207	2,877
5 Rhode Island.....	1	0	22	0	22	0	0	0	268	0	268	0	0	0	0	0	0	268	0	268
6 Connecticut.....	3	0	83	7	90	0	0	0	1,022	15	1,037	84	1	85	8	39	47	1,114	55	1,169
7 New York.....	19	70	237	20	386	2,300	86	2,386	3,071	162	3,233	101	11	115	165	181	346	5,640	440	6,080
8 New Jersey.....	4	1	67	0	67	41	0	41	804	0	804	93	0	93	0	0	0	961	0	961
9 Pennsylvania.....	26	95	244	20	426	1,395	542	2,175	2,360	239	2,849	166	3	109	126	38	353	4,179	770	5,793
SOUTH ATLANTIC DIVISION.																				
10 Maryland.....	8	22	89	5	159	389	64	453	654	62	716	236	0	236	52	0	52	1,331	126	1,457
11 District of Columbia.....	5	22	38	7	74	336	5	341	222	3	225	2	0	2	110	58	168	670	66	736
12 Virginia.....	7	4	62	2	91	54	0	54	764	3	767	3	0	3	16	0	16	1,277	0	1,277
13 West Virginia.....	3	6	19	2	31	121	11	132	202	33	235	2	0	2	3	0	3	325	44	369
14 North Carolina.....	10	1	29	0	29	251	150	401	838	71	929	2	0	2	16	15	31	1,269	362	1,571
15 South Carolina.....	8	13	54	0	77	253	30	283	515	10	525	14	1	14	10	10	30	581	180	1,061
16 Georgia.....	6	10	36	3	70	246	51	297	466	29	435	1	0	1	127	194	321	843	332	1,175
17 Florida.....	4	7	3	0	28	120	147	267	23	23	48	1	6	7	18	17	35	163	195	357
SOUTH CENTRAL DIVISION.																				
18 Kentucky.....	14	19	78	2	127	533	164	697	879	159	1,038	12	3	15	0	9	9	1,655	416	2,071
19 Tennessee.....	18	32	91	9	219	925	255	1,468	1,250	97	1,445	21	6	27	190	265	497	3,062	1,308	4,370



20	Alabama.....	5	1	25	64	60	0	483	4	497	3	0	3	.....	.....	.....	.....	823	226	1,049
21	Mississippi.....	4	4	23	35	319	219	538	44	350	.....	.....	.....	.....	.....	.....	.....	263	625	1,902
22	Louisiana.....	12	36	55	165	722	569	1,291	266	128	484	4	0	4	313	357	670	1,858	1,054	3,012
23	Texas.....	10	13	38	7	110	536	308	804	390	1,200	5	3	8	30	63	93	1,500	916	2,416
24	Arkansas.....	4	2	3	22	95	101	106	18	34	.....	.....	.....	.....	114	90	204	232	499	.....
NORTH CENTRAL DIVISION.																				
25	Ohio.....	35	80	152	506	2,494	793	3,377	1,999	966	3,061	145	14	159	633	1,087	1,720	5,590	3,920	8,796
26	Indiana.....	14	40	118	224	463	239	1,038	633	238	1,159	17	9	31	25	57	295	2,227	620	3,659
27	Illinois.....	26	50	139	49	359	620	2,192	1,212	434	1,710	20	6	27	367	417	1,129	3,659	1,660	5,757
28	Michigan.....	10	29	119	21	179	461	887	1,102	467	1,607	53	13	66	260	259	519	1,971	1,094	3,246
29	Wisconsin.....	9	1	65	136	609	225	831	742	213	955	4	3	7	58	7	65	1,507	494	2,001
30	Minnesota.....	8	13	39	7	109	375	572	543	99	685	22	15	38	197	163	390	1,193	356	1,740
31	Iowa.....	21	61	103	26	288	1,305	996	2,516	964	691	4	3	7	212	335	892	2,347	1,718	5,237
32	Missouri.....	20	26	85	13	234	1,018	240	1,388	704	140	14	1	15	338	43	386	2,549	665	3,569
33	Dakota.....	6	5	6	63	300	226	526	66	31	97	5	0	5	77	137	214	560	516	1,126
34	Nebraska.....	7	1	6	82	363	128	491	241	137	378	7	1	17	40	95	135	674	451	1,125
35	Kansas.....	15	25	42	208	1,037	427	1,652	432	144	633	7	7	14	814	675	1,499	2,449	1,457	4,418
WESTERN DIVISION.																				
36	Montana.....	1	2	8	14	54	26	80	15	17	32	.....	.....	.....	.....	.....	.....	78	72	150
37	Wyoming.....	1	.....	.....	12	12	32	44	5	4	9	.....	.....	.....	.....	.....	.....	35	45	80
38	Colorado.....	4	5	17	20	53	204	362	102	38	140	.....	.....	.....	162	80	242	408	279	747
39	New Mexico.....	2	5	3	0	.....	101	93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	195	.....
40	Utah.....	1	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	Nevada.....	1	.....	.....	7	0	0	0	25	18	43	0	0	0	41	59	100	183	129	312
42	Washington.....	2	2	6	19	62	59	121	85	80	165	.....	.....	.....	46	83	129	103	66	77
43	Oregon.....	4	6	4	35	91	76	167	144	76	220	.....	.....	.....	1	39	40	334	243	141
44	California.....	13	27	117	6	201	1,267	296	1,563	932	242	21	3	24	203	297	500	2,448	847	3,295
North Atlantic Division.....																				
66	.....	171	931	66	1,306	3,792	628	4,658	10,719	658	11,027	576	48	624	310	269	768	15,760	1,551	13,155
51	South Atlantic Division.....	85	320	19	621	1,770	458	2,228	3,694	233	3,927	260	7	267	349	284	633	6,698	1,305	8,003
67	South Central Division.....	107	313	24	742	3,190	1,616	5,094	4,016	841	5,048	45	12	57	647	784	1,487	9,790	4,415	14,309
171	North Central Division.....	340	874	203	3,388	9,965	4,236	15,460	8,668	3,490	12,911	299	72	356	3,021	3,280	7,244	24,776	12,081	40,005
29	Western Division.....	47	155	36	365	1,690	630	2,435	1,398	475	1,783	21	3	24	453	558	1,011	3,815	1,914	5,424
United States.....																				
384	.....	750	2,593	348	5,432	20,407	7,608	29,875	28,405	5,700	35,296	1,201	142	1,368	4,780	5,175	11,143	60,839	21,266	86,996

TABLE 5.—Summary of statistics of colleges of liberal arts for 1888-89—Continued.

State or Territory.	1	22	23	24	25	26	27	28	29	30	31	32	33	34
		Number of endow- ed professors.	Number of fellowships.	Number of State scholar- ships.	Number of other schol- arships.	Number of volumes in libraries.	Value of scientific appa- ratus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or mu- nicipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
NORTH ATLANTIC DIVISION.														
1 Maine.....		8	.....	.....	160	79,126	\$70,000	\$650,000	\$1,215,767	\$58,167	.....	\$30,103	\$88,846	\$86,000
2 New Hampshire.....		11	.....	.....	138	68,000	100,000	200,000	830,000	43,000	0	17,000	63,000	23,000
3 Vermont.....		6	0	30	102	52,672	154,000	370,000	438,000	35,575	0	7,038	47,860	26,363
4 Massachusetts.....		42	20	6	417	395,806	915,000	5,038,000	9,897,586	534,349	.....	391,038	1,035,262	516,274
5 Rhode Island.....		2	0	.....	100	70,000	.....	625,000	980,836	50,777	0	23,274	74,379	100,698
6 Connecticut.....		15	3	.....	97	208,030	61,480	1,400,000	1,216,556	59,768	.....	17,000	90,207	24,000
7 New York.....		32	19	.....	548	353,824	898,719	5,535,209	9,278,030	726,569	\$148,483	384,359	1,336,805	699,987
8 New Jersey.....		44	12	.....	87	163,800	50,500	495,000	.....	32,400	.....	8,539	62,939	133,950
9 Pennsylvania.....		.....	5	.....	234	318,480	446,800	5,249,000	4,386,994	232,987	.....	320,288	601,310	413,693
SOUTH ATLANTIC DIVISION.														
10 Maryland.....		2	20	52	101	70,630	186,104	1,133,920	3,006,000	75,292	10,600	101,300	187,702	109,960
11 District of Columbia.....		1	.....	.....	14	77,311	5,500	1,000,000	430,000	24,356	54,084	.....	89,240	20,500
12 Virginia.....		15	2	.....	74	128,000	308,800	1,450,454	7,815	87,815	35,000	56,265	204,901	85,496
13 West Virginia.....		.....	.....	.....	.....	7,200	10,000	247,000	167,150	7,009	29,000	4,100	40,109	20,000
14 North Carolina.....		1	.....	.....	42	63,913	81,300	807,000	390,000	27,850	.....	26,100	88,250	27,000
15 South Carolina.....		.....	2	.....	13	43,700	125,500	536,500	637,400	25,754	37,791	15,788	84,435	10,600
16 Georgia.....		4	.....	.....	8	46,500	89,505	803,500	749,870	49,271	.....	16,433	93,551	47,403
17 Florida.....		1	.....	.....	.....	5,600	1,650	109,056	20,000	1,600	800	3,433	20,760	18,313
SOUTH CENTRAL DIVISION.														
18 Kentucky.....		11	.....	11	146	51,364	16,750	811,250	1,090,407	51,333	1,100	29,475	84,326	153,778
19 Tennessee.....		3	8	275	61	91,184	183,950	1,819,650	1,708,310	105,653	1,413	114,824	239,740	133,789
20 Alabama.....		.....	.....	.....	27	23,400	22,835	236,000	326,000	24,000	.....	41,905	67,905	33,200
21 Mississippi.....		.....	1	.....	4	16,150	50,700	421,000	549,061	33,284	340	10,322	49,244	2,750
22 Louisiana.....		.....	.....	.....	123	115,032	98,150	972,197	1,558,030	82,306	17,500	27,300	144,316	15,600
23 Texas.....		4	.....	.....	35	22,258	55,500	563,000	1,594,800	43,189	25,725	39,456	112,862	134,872
24 Arkansas.....		1	.....	.....	.....	2,600	90	123,000	6,000	43,600	3,292	3,292	8,192	9,100

NORTH CENTRAL DIVISION.												
25	36	2	88	887	265,871	251,831	3,865,741	4,148,550	31,000	151,085	516,621	187,063
26	8	94	118	116,100	103,000	1,955,000	2,087,000	2,087,000	56,980	34,110	121,716	57,850
27	28	445	158,311	774,550	2,582,200	2,582,200	2,582,200	2,046,183	80,149	139,545	339,597	639,684
28	15	1	110,259	611,200	1,534,975	1,385,632	80,954	1,385,632	136,272	111,432	368,038	48,864
29	9	9	88	162,400	1,468,000	1,468,000	1,468,000	1,468,000	88,000	69,302	269,508	40,883
30	3	2	230	36,600	122,445	2,133,539	2,133,539	1,288,534	69,633	35,000	150,054	185,994
31	22		236	90,732	73,164	1,547,896	1,107,132	70,618	54,000	22,414	328,280	201,899
32	15	1	126	127,800	172,600	2,833,000	702,464	70,420	32,650	80,446	200,349	114,583
33	33	25	10	10,037	22,345	4,203,000	26,000	320	41,350	708	54,220	37,820
34	7		106	24,800	86,330	1,150,000	1,098,000	48,200	87,500	5,224	150,500	30,000
35	2		2	57,383	140,650	1,700,050	434,100	27,352	75,000	41,632	154,368	84,760
WESTERN DIVISION.												
36	0	0	3	1,000	1,500	100,000	10,000	700	5,000	10,000	22,600	
37	38			1,500	3,000	150,000	217,000	28,985	24,449	34,654	132,700	
38	4			20,000	26,200	1,014,023	1,000	120	26,714	95,936	1,763	
39				25		36,000			1,233	4,359		
40	0	0	0	4,000	2,000	150,000	125,000	5,000	126,451	132,051		
41	0	0	0	1,100	2,000	35,000	24,000	0	24,000	0		
42	4			6,150	3,800	30,000	13,000	1,500	2,700	15,500	4,875	
43	3		20	12,963	21,100	140,000	284,000	21,800	14,000	51,900	12,400	
44	3		7	87,312	223,350	1,917,000	2,001,500	124,590	83,029	330,049	42,075	
North Atlantic Division.												
100	50	36	1,883	1,711,708	2,696,499	19,582,209	28,363,769	1,791,592	148,483	1,198,639	3,420,008	2,037,965
24	24	52	252	447,854	808,359	6,238,076	6,820,874	299,457	187,275	223,339	808,951	333,332
19	9	286	401	331,988	432,990	5,467,097	5,892,608	340,265	266,574	706,585	482,989	
145	15	207	2,014	1,101,026	1,639,715	21,200,421	16,868,391	830,691	623,772	762,220	2,653,251	1,652,199
6	4		38	134,049	284,150	3,632,023	2,711,500	182,695	320,787	146,467	704,049	216,416
United States.....												
354	111	581	4,588	3,716,625	5,921,713	56,119,826	60,597,142	3,444,100	1,326,395	2,597,299	8,283,444	4,728,901

354	111	581	4,588	3,716,625	5,921,713	56,119,826	60,597,142	3,444,100	1,326,395	2,597,299	8,293,444	4,728,901
United States.....												



TABLE 6.—*Distribution of college students in the several degree courses, from 1883-84 to 1888-89, inclusive.*

Divisions.	Year 1883-84.					Year 1884-85.					Year 1885-86.					Year 1886-87.				
	Number of colleges re- porting classification of students.	Ratio of classical students to whole number of collegiate students.		Ratio of scientific stu- dents to whole number of collegiate students.		Number of colleges re- porting classification of students.	Ratio of classical students to whole number of collegiate students.		Ratio of scientific stu- dents to whole number of collegiate students.		Ratio of unclassified stu- dents to whole number of collegiate students.	Number of colleges re- porting classification of students.	Total number of under- graduates.	Percentage of undergrad- uates in regular courses.	Percentage of students in regular courses reported in—					
		2	3	4	5		6	7	8	9					10	11	12	13	14	15
NORTH ATLANTIC DIVISION.																				
1	Maine.....	4	79	19	2	4	79	19	2	4	78	18	4	3	393	100	100	0	0	0
2	New Hampshire.....	2	69	31	0					2	66	33	1	1	249	100	100	0	0	0
3	Vermont.....	2	50	39	11	2	39	54	7	2	33	47	20	2	213	94	60	24	0	16
4	Massachusetts.....	9	66	20	14	8	60	25	15	8	61	26	13	6	2,114	91	97	3	0	0
5	Rhode Island.....									1	79	17	4	3	241	100	100	0	0	0
6	Connecticut.....	3	69	19	12	3	70	22	8	3	67	25	8	3	866	99	91	0	0	0
7	New York.....	15	67	31	2	15	51	41	8	14	48	35	17	20	2,741	79	64	29	5	2
8	New Jersey.....	2	67	21	12	2	19	81	0	3	56	42	2	4	626	88	86	14	0	0
9	Pennsylvania.....	19	58	42	0	19	53	32	15	19	55	37	8	25	3,098	83	61	34	0	5
SOUTH ATLANTIC DIVISION.																				
10	Maryland.....													9	957	66	95	5	0	0
11	District of Columbia.....													5	367	35	100	0	0	0
12	Virginia.....													7	688	38	84	16	0	0
13	West Virginia.....	1	51	31	18									3	135	49	9	0	91	0
14	North Carolina.....														1,230	44	55	18	27	0
15	South Carolina.....													8	539	61	89	10	0	1
16	Georgia.....	2	83	13	4	3	85	12	3	1	100	0	0	7	600	57	91	9	0	0
17	Florida.....									1				2	36	81	69	31	0	0
NORTH CENTRAL DIVISION.																				
18	Ohio.....	17	68	19	13	16	53	24	23	12	55	39	6	34	3,486	64	56	17	0	27
19	Indiana.....	9	62	25	13	8	55	28	17	10	67	21	12	14	1,750	79	53	22	13	12
20	Illinois.....	15	44	45	11	15	33	37	30	11	41	28	31	24	2,749	52	42	34	24	0
21	Michigan.....	3	26	62	12	3	30	47	23	3	30	37	33	9	1,907	47	40	22	0	38
22	Wisconsin.....	5	37	43	20	4	52	43	5	5	40	35	25	9	1,104	63	59	23	0	18

22	Minnesota	12	52	40	8	2	56	15	29	1	36	36	28	6	592	54	35	39	0	26
23	Iowa	24	23	11	56	21	50	21	23	20	276	56	43	0	12	57	0	0	0	0
24	Missouri	25	23	11	56	21	50	21	23	17	921	64	28	15	62	0	0	0	0	0
25	Illinois	26	23	11	56	21	50	21	23	3	70	40	38	62	0	19	0	0	0	0
26	Indiana	27	23	11	56	21	50	21	23	6	615	51	52	29	0	31	0	0	0	0
27	Nebraska	28	23	11	56	21	50	21	23	10	703	56	44	25	0	31	0	0	0	0
28	Kansas	29	23	11	56	21	50	21	23	15	1,562	41	59	35	0	6	0	0	0	0
29	Kentucky	30	23	11	56	21	50	21	23	19	1,892	46	71	29	0	0	0	0	0	0
30	Tennessee	31	23	11	56	21	50	21	23	5	544	42	48	52	0	0	0	0	0	0
31	Alabama	32	23	11	56	21	50	21	23	4	403	48	47	39	0	14	0	0	0	0
32	Mississippi	33	23	11	56	21	50	21	23	11	939	52	51	16	33	0	0	0	0	0
33	Louisiana	34	23	11	56	21	50	21	23	8	1,458	16	58	29	13	0	0	0	0	0
34	Texas	35	23	11	56	21	50	21	23	4	272	9	0	100	0	0	0	0	0	0
35	Arkansas	36	23	11	56	21	50	21	23	1	35	71	44	56	0	0	0	0	0	0
36	Montana	37	23	11	56	21	50	21	23	1	35	71	44	56	0	0	0	0	0	0
37	Wyoming	38	23	11	56	21	50	21	23	3	189	16	52	48	0	0	0	0	0	0
38	Colorado	39	23	11	56	21	50	21	23	1	19	42	50	50	0	0	0	0	0	0
39	New Mexico	40	23	11	56	21	50	21	23	2	150	35	50	50	0	0	0	0	0	0
40	Nevada	41	23	11	56	21	50	21	23	7	364	34	26	23	34	17	0	0	0	0
41	Washington	42	23	11	56	21	50	21	23	12	1,435	33	45	19	25	11	0	0	0	0
42	Oregon	43	23	11	56	21	50	21	23	11	73	10,541	87	77	19	1	3	0	0	0
43	California	44	23	11	56	21	50	21	23	50	4,552	51	81	10	9	0	0	0	0	0
	North Atlantic Division	45	23	11	56	21	50	21	23	152	17,142	60	46	25	12	17	0	0	0	0
	South Atlantic Division	46	23	11	56	21	50	21	23	66	7,070	38	59	31	8	2	0	0	0	0
	North Central Division	47	23	11	56	21	50	21	23	28	2,001	28	43	25	23	9	0	0	0	0
	South Central Division	48	23	11	56	21	50	21	23	2	2	2	2	2	2	2	2	2	2	2
	Western Division	49	23	11	56	21	50	21	23	11	67	31	31	31	31	31	31	31	31	31

## SOUTH CENTRAL DIVISION.

## WESTERN DIVISION.

TABLE 6.—*Distribution of college students in the several degree courses, from 1883-84 to 1888-89, inclusive—Continued.*

Year 1887-88.																Year 1888-89.																
Divisions.	Percentage of students in regular courses reported in—						Number of colleges reporting classification of students.	Total number of undergraduates.	Percentage of undergraduates in regular courses.	Percentage of students in regular courses reported in—																						
	Classical course.	Scientific course.	Other first degree courses.	Number of colleges reporting classification of students.	Total number of undergraduates.	Percentage of undergraduates in regular courses.				A. B. course.	B. S. course.	B. L. course.	Ph. B. course.	C. E. course.	Other first degree courses.																	
1																21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
NORTH ATLANTIC DIVISION.																																
1 Maine.....	3	432	57	100	.....	.....	3	441	99	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
2 New Hampshire.....	1	229	100	100	.....	.....	1	229	99	80	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
3 Vermont.....	3	201	91	64	4	32	2	186	96	63	7	17	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
4 Massachusetts.....	7	279	78	97	1	2	5	2,133	89	99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
5 Rhode Island.....	1	255	94	81	19	19	1	248	93	81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
6 Connecticut.....	3	913	98	90	5	5	2	349	96	71	16	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
7 New York.....	17	2,486	82	68	25	7	14	2,206	81	79	11	2	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
8 New Jersey.....	4	784	85	77	18	5	3	681	91	85	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
9 Pennsylvania.....	23	2,785	80	62	25	13	17	1,996	92	61	22	1	7	6	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
SOUTH ATLANTIC DIVISION.																																
10 Maryland.....	8	688	40	76	3	21	6	571	63	85	4	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
11 District of Columbia.....	5	331	57	97	2	1	4	185	94	96	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
12 Virginia.....	6	705	55	91	9	.....	4	515	53	87	9	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
13 West Virginia.....	2	114	8	100	.....	.....	2	106	17	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
14 North Carolina.....	10	942	66	60	15	25	7	600	70	81	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
15 South Carolina.....	8	407	71	94	3	3	5	438	94	81	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
16 Georgia.....	5	456	93	74	1	25	2	394	93	71	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
17 Florida.....	1	2	100	100	.....	.....	2	42	100	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
NORTH CENTRAL DIVISION.																																
18 Ohio.....	31	3,198	64	46	13	41	26	2,535	90	52	14	5	15	2	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
19 Indiana.....	13	1,517	58	63	24	13	9	891	86	63	23	1	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
20 Illinois.....	25	1,841	61	47	39	14	21	1,767	72	38 <sup>(6)</sup>	33	13	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
21 Michigan.....	7	1,216	80	39	18	43	6	1,182	86	32	25	17	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
22 Wisconsin.....	8	738	77	47	27	26	7	828	86	25	32	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
23 Minnesota.....	6	680	79	34	35	31	5	481	95	43	30	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
24 Iowa.....	19	1,456	76	35	37	28	19	1,565	89	30	38	9	18	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		



25	Missouri.....	15	1,534	30	64	26	10	15	851	63	71	25	2	1	1
26	Dakota.....	3	100	90	43	37	20	2	38	89	32	62	6	1	1
27	Nebraska.....	5	349	77	32	32	36	4	253	83	34	30	32	4	4
28	Kansas.....	11	798	52	72	14	14	12	604	83	59	26	3	3	3
SOUTH CENTRAL DIVISION.															
29	Kentucky.....	11	915	27	50	48	2	9	757	59	55	37	1	1	7
30	Tennessee.....	14	1,181	50	49	26	25	6	417	90	47	32	10	10	10
31	Alabama.....	4	456	64	71	11	18	2	306	93	97	32	1	13	13
32	Mississippi.....	4	364	28	82	12	6	2	136	100	65	26	9	9	9
33	Louisiana.....	6	380	69	47	53	5	5	265	72	41	32	27	27	27
34	Texas.....	7	627	40	45	2	53	4	367	80	49	25	5	5	5
35	Arkansas.....	3	38	63	63	33	4	3	34	88	67	33	1	1	1
WESTERN DIVISION.															
36	Montana.....	1	30	.....	.....	.....	.....	1	32	84	34	33	.....	33	33
37	Wyoming.....	.....	.....	.....	.....	.....	.....	1	9	100	56	.....	.....	.....	.....
38	Colorado.....	4	94	71	61	34	5	4	140	84	79	12	6	3	3
39	New Mexico.....	.....	125	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Nevada.....	1	4	100	50	50	5	1	43	100	44	56	.....	.....	.....
41	Washington.....	2	73	100	36	59	8	2	165	35	39	56	5	5	5
42	Oregon.....	4	91	30	48	44	8	3	198	72	96	56	2	2	2
43	California.....	11	1,162	35	23	36	39	10	851	80	33	29	5	32	1
North Atlantic Division.....															
South Atlantic Division.....															
45	South Atlantic Division.....	62	10,363	82	78	15	7	47	8,489	89	81	10	1	5	2
46	South Atlantic Division.....	45	3,705	60	78	7	13	37	2,911	72	82	7	2	7	2
North Central Division.....															
47	North Central Division.....	143	13,427	63	47	25	28	126	10,995	83	{	26	11	12	2
South Central Division.....															
48	South Central Division.....	49	3,961	45	54	27	19	31	2,282	77	44	27	9	1	4
Western Division.....															
49	Western Division.....	23	1,579	36	32	39	29	22	1,438	75	48	26	5	20	1

TABLE 7.—Statistics of colleges of

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	ALABAMA.					
1	East Lake .....	Howard College .....	Rev. B. F. Riley, D. D. ....	1843	1841	Baptist ...
2	Greensborough ...	Southern University..	Rev. Allen S. Andrews, A. M., D. D., LL. D.	1856	1859	M. E. So ..
3	Near Mobile .....	Spring Hill College...	Rev. James Loneragan, S. J.	1836	1830	R. C .....
4	Selma .....	Selma University*....	Rev. Charles L. Purce, A. B.	1881	1878	Baptist ...
5	University .....	University of Alabama	Henry D. Clayton, LL. D....	1819	1819	Non-sect..
	ARKANSAS.					
6	Batesville .....	Arkansas College .....	Rev. I. J. Long, D. D. ....	1872	1872	Presb.....
7	Boonsborough .....	Cane Hill College .....	Rev. F. R. Earle, D. D. ....	1851	1852	Cumb'l'nd Presb.
8	Little Rock .....	Little Rock University	Rev. Alfred Noon, A. M. ....	1883	1882	M. E. ....
9	.....do .....	Philander Smith Col- lege.	Rev. Thomas Mason, A. M. .	1883	1877	M. E. ....
	CALIFORNIA.					
10	Benicia .....	College of St. Augus- tine.	Rt. Rev. J. H. D. Wing- field, D. D., LL. D., D. C. L., F. R. G. S.	1867	1867	P. E. ....
11	Berkeley .....	University of Cali- fornia.	Horace Davis, A. B. ....	1868	1869	Non-sect..
12	College City .....	Pierce Christian Col- lege.*	James C. Keith .....	1874	1874	Christian .
13	College Park .....	University of the Pa- cific.	Rev. A. C. Hirst, D. D., LL. D.	1855	1854	M. E. ....
14	Los Angeles .....	St. Vincent's College..	Rev. A. J. Meyer, C. M. ....	1869	1867	R. C .....
15	.....do .....	University of South- ern California.	Rev. M. M. Bovard, A. M., D. D.	1880	1881	M. E. ....
16	Napa City .....	Napa College .....	Rev. J. N. Beard, D. D. ....	1885	1886	M. E. ....
17	Oakland .....	California College .....	Samuel B. Morse, D. D. ....	1874	1874	Baptist ...
18	San Francisco .....	St. Ignatius College...	Rev. Henry Inoda, S. J. ....	1859	1855	R. C .....
19	Santa Clara .....	Santa Clara College...	Rev. Jno. Pinasco, S. J. ....	1855	1851	R. C .....
20	Santa Rosa .....	Pacific Methodist Col- lege.	J. S. Austin, A. M. ....	1862	1861	M. E. So ..
21	Woodbridge .....	San Joaquin Valley College.	Rev. Darius A. Mobley, A. M., D. D.	1883	1879	U. B. ....
22	Woodland .....	Hesperian College ....	A. M. Elston, A. M. ....	1860	1860	Christian .
	COLORADO.					
23	Boulder .....	University of Colorado	Horace M. Hale, LL. D. ....	1861	1877	Non-sect..
24	Colorado Springs ..	Colorado College .....	William F. Slocum, jr. ....	1873	1874	Non-sect..
25	Del Norte .....	Presbyterian College of the Southwest.	William M. Baird .....	1883	1883	Presb.....
26	Denver .....	University of Denver.	Ammi B. Hyde, D. D. ....	1864	1880	M. E. ....
	CONNECTICUT.					
27	Hartford .....	Trinity College .....	Rev. George Williamson Smith, D. D., LL. D.	1823	1824	P. E. ....
28	Middletown .....	Wesleyan University.	John M. Van Vleck, LL. D., acting president.	1831	1831	M. E. ....
29	New Haven .....	Yale University .....	Rev. Timothy Dwight, D. D., LL. D.	1701	1701	Non-sect..
	DAKOTA.					
30	East Pierre .....	Pierre University .....	Rev. W. M. Blackburn, D. D.	1883	1883	Presb.....
31	Fargo .....	Fargo College .....	Rev. Geo. B. Barnes, A. M. .	18-7	1887	Cong .....
32	Grand Forks .....	University of North Dakota.	Homer B. Sprague, M. A., PH. D.	1883	1884	Non-sect..
33	Mitchell .....	Dakota University .....	Rev. William Brush, D. D. .		1885	M. E. ....
34	Vermillion .....	University of Dakota.	Edward Olson, M. A., PH. D.	1883	1883	.....
35	Yankton .....	Yankton College .....	Rev. Joseph Ward, D. D. .	1881	1882	Non-sect..

\* Statistics of 1887-88.

*liberal arts for 1888-89.—PART I.*

Professors and instructors.				Students.														
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.		
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	10	0	11	23	0	23	120	0	120	.....	.....	.....	.....	.....	.....	143	0	143
.....	.....	.....	.....	37	0	37	178	1	179	.....	.....	.....	.....	.....	.....	215	1	216
.....	.....	.....	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	119	0	119
0	15	0	15	0	0	0	186	0	186	3	0	3	0	0	0	157	225	382
.....	.....	.....	8	.....	.....	.....	9	3	12	.....	.....	.....	.....	.....	.....	189	0	189
.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	3	50	60	110	4	3	7	0	0	0	0	0	0	40	25	65
.....	.....	.....	8	32	39	71	4	8	12	.....	.....	.....	25	22	47	61	69	130
2	3	2	7	13	2	15	10	5	15	.....	.....	.....	89	63	157	112	75	187
.....	.....	.....	6	27	0	27	36	0	36	2	0	2	.....	.....	.....	65	0	65
.....	.....	.....	47	.....	.....	.....	277	72	349	14	0	14	.....	.....	.....	291	72	363
.....	.....	.....	9	18	22	40	28	22	50	.....	.....	.....	.....	.....	.....	46	44	90
8	17	2	27	259	107	366	55	47	102	2	3	5	11	69	80	327	226	553
4	7	.....	11	160	0	160	20	0	20	.....	.....	.....	.....	.....	.....	180	0	180
.....	.....	.....	13	140	59	199	36	8	44	.....	.....	.....	89	94	183	265	161	426
.....	.....	.....	13	71	41	112	8	1	9	.....	.....	.....	8	45	53	87	87	174
5	8	.....	13	27	11	38	24	26	50	.....	.....	.....	0	13	13	51	50	101
6	14	0	20	486	0	486	243	0	243	.....	.....	.....	.....	.....	.....	729	0	729
2	11	4	17	20	0	20	109	0	109	3	0	3	68	0	68	200	0	200
.....	.....	.....	8	.....	.....	.....	61	30	91	.....	.....	.....	23	16	39	84	46	130
.....	.....	.....	10	34	21	55	20	11	31	.....	.....	.....	.....	.....	.....	79	41	120
2	5	.....	7	25	35	60	15	25	40	.....	.....	.....	4	60	64	44	120	164
.....	.....	.....	9	45	21	66	14	13	27	0	0	0	0	15	15	59	49	108
.....	.....	.....	10	.....	.....	.....	75	20	95	.....	.....	.....	.....	.....	.....	75	20	95
.....	.....	.....	2	14	9	23	1	2	3	.....	.....	.....	.....	.....	.....	15	11	26
5	7	20	32	145	131	276	12	3	15	0	0	0	162	65	227	319	199	518
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
0	20	.....	20	0	0	0	136	0	136	1	0	1	.....	.....	.....	137	0	137
0	19	0	19	0	0	0	198	15	213	4	1	5	0	0	0	202	16	218
0	44	7	51	0	0	0	688	0	688	79	0	79	8	39	47	775	39	814
.....	.....	.....	9	21	16	37	9	9	18	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	7	12	20	32	2	1	3	0	0	0	14	64	78	30	25	55
5	6	0	11	103	76	179	13	7	20	0	0	0	0	0	0	116	83	199
.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	21	164	114	278	42	14	56	5	0	5	63	73	136	61	50	111
.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71	102	173



TABLE 7.—Statistics of colleges of

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	DISTRICT OF COLUMBIA.					
36	Washington .....	Columbian University	James C. Welling, LL. D. . .	1821	1821	Non-sect..
37	do .....	Georgetown College ..	Rev. J. Havens Richards, S. J.	1815	1789	R. C. ....
38	do .....	Gonzaga College .....	Edward A. McGurk, S. J. .	1858	1821	R. C. ....
39	do .....	Howard University. . .	Rev. William W. Patton, D. D., LL. D.	1867	1867	Non-sect..
40	do .....	National Deaf-Mute College.	E. M. Gallaudet, PH. D., LL. D.	1864	1864	Non-sect..
	FLORIDA.					
41	De Land .....	John B. Stetson Uni- versity.	John F. Forbes, PH. D. ....	1887	1883	Baptist ...
42	Leesburgh .....	Florida Conference College.	Rev. T. W. Moore, D. D. ....	1886	1886	M. E. So ..
43	Orange City .....	St. John's River Con- ference College.	Rev. Charles W. Harsh- man, A. B., S. T. B.	1887	1887	M. E. ....
44	Winter Park .....	Rollins College .....	Rev. E. P. Hooker, D. D. ....	1885	1885	Cong. ....
	GEORGIA.					
45	Athens .....	University of Georgia.	W. E. Boggs, D. D. ....	1784	1801	Non-sect..
46	Atlanta .....	Atlanta University. . .	Rev. Horace Bumstead, D. D.	1869	1869	Non-sect..
47	do .....	Clark University .....	W. H. Croghan, acting president.	1877	1869	M. E. ....
48	Bowdon .....	Bowdon College .....	Rev. F. H. M. Henderson, D. D.	1857	1856	Non-sect..
49	Macon .....	Mercer University. . .	Rev. G. A. Nunnally, D. D. .	1837	1838	Baptist ...
50	Oxford .....	Emory College .....	Rev. W. A. Candler, D. D. . .	1836	1837	M. E. So ..
	ILLINOIS.					
51	Abingdon .....	Hedding College .....	J. R. Jaques, D. D., PH. D. .	1875	1855	M. E. ....
52	Bloomington .....	Illinois Wesleyan Uni- versity.	William H. Wilder, A. M., D. D.	1853	1853	M. E. ....
53	Bourbonnais Grove.	St. Viateur's College. .	Rev. M. J. Marsile, C. S. V. .	1874	1865	R. C. ....
54	Carthage .....	Carthage College .....	Holmes Dysinger, D. D. ....	1870	1870	Lutheran .
55	Chicago .....	St. Ignatius College. .	Rev. Edward A. Higgins, S. J.	1870	1870	R. C. ....
56	Elmhurst .....	Evangelical Prosemin- ary.	Rev. D. Irion .....	1869	1870	Ger. Ev. . .
57	Eureka .....	Eureka College .....	Carl Johann, A. M., LL. D. .	1855	1849	Christian .
58	Evanston .....	Northwestern Univer- sity.	Rev. Joseph Cummings, D. D., LL. D.	1851	1855	M. E. ....
59	Ewing .....	Ewing College .....	Rev. John Washburn, A. M., D. D.	1867	1868	Baptist ...
60	Fulton .....	Northern Illinois Col- lege.	A. M. Hansen, A. M., PH. D. .	1866	1866	Non-sect..
61	Galena .....	German-English Col- lege.	Rev. Fr. Schaub, A. M. ....	1880	1868	M. E. ....
62	Galesburgh. . .	Knox College .....	Hon. Newton Bateman, A. M., LL. D.	1837	1841	Non-sect..
63	do .....	Lombard University. .	Rev. Nehemiah White, PH. D.	1853	1853	Univ. ....
64	Jacksonville .....	Illinois College .....	Edward Allen Tanner, D. D.	1835	1830	Non-sect..
65	Lake Forest .....	Lake Forest Univer- sity.	Rev. William C. Roberts, D. D., LL. D.	1856	1876	Presb. ....
66	Lebanon .....	McKendree College. . .	Rev. I. Villars, D. D. ....	1834	1834	M. E. ....
67	Lincoln .....	Lincoln University . .	A. E. Turner, A. M. ....	1865	1866	C. Presb. .
68	Monmouth .....	Monmouth College. . .	Rev. J. B. McMichael, D. D.	1857	1856	U. Presb. .
69	Naperville .....	Northwestern College.	H. J. Kieffer, acting president.	1865	1861	Ev. Ass'n.
70	Quincy .....	Chaddock College ....	Marquis D. Hornbeck, A. M., S. T. B.	1876	1876	M. E. ....

liberal arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.														
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.		
7	8	9	10	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
7	9	16	81	0	81	40	0	40	.....	.....	.....	.....	.....	.....	.....	121	0	121
12	15	27	140	0	140	80	0	80	.....	.....	.....	.....	.....	.....	.....	220	0	220
2	7	9	70	0	70	50	0	50	.....	.....	.....	.....	.....	.....	.....	120	0	120
1	7	7	31	0	31	23	0	23	.....	0	0	0	110	58	168	164	58	222
.....	.....	7	14	5	19	29	3	32	2	0	2	.....	.....	.....	.....	45	8	53
.....	.....	9	30	55	85	0	1	1	1	6	7	.....	.....	.....	.....	31	62	93
2	3	5	30	29	59	21	20	41	.....	.....	.....	.....	.....	.....	.....	51	49	100
5	.....	5	40	45	85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40	45	85
.....	.....	9	20	18	38	2	4	6	.....	.....	.....	.....	18	17	35	40	39	79
.....	14	14	.....	.....	.....	147	0	147	.....	.....	.....	.....	.....	.....	.....	147	0	147
5	6	1	21	55	0	55	18	1	19	0	0	0	127	194	321	214	252	466
.....	.....	12	29	27	56	9	2	11	0	1	1	.....	.....	.....	.....	38	30	68
2	2	4	52	24	76	26	26	52	.....	.....	.....	.....	.....	.....	.....	78	50	128
1	5	6	46	0	46	91	0	91	.....	.....	.....	.....	.....	.....	.....	137	0	137
2	9	2	13	64	0	64	165	0	165	.....	.....	.....	.....	.....	.....	229	0	229
.....	10	10	40	45	85	11	10	21	.....	.....	.....	.....	.....	.....	.....	56	50	106
2	9	4	15	108	70	178	63	37	100	0	0	0	19	118	137	190	225	415
.....	.....	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	214	0	214
8	8	7	35	25	60	15	10	25	1	2	3	.....	.....	.....	.....	53	39	92
.....	.....	20	205	0	205	54	0	54	.....	.....	.....	.....	.....	.....	.....	259	0	259
1	6	0	7	19	0	19	89	0	89	0	0	0	0	0	0	108	0	108
.....	11	3	14	104	48	152	53	25	78	5	1	6	20	12	32	182	86	268
10	15	13	38	234	108	392	167	119	286	.....	.....	.....	15	113	128	466	340	806
.....	.....	5	53	22	75	32	11	43	.....	.....	.....	.....	0	1	1	85	34	119
.....	.....	7	.....	.....	.....	29	.....	.....	34	.....	.....	.....	.....	.....	122	.....	.....	185
2	2	2	6	34	3	37	27	7	34	.....	.....	.....	20	20	40	81	30	111
9	11	20	110	60	170	105	40	145	12	3	15	.....	.....	.....	.....	227	103	330
.....	.....	13	23	25	48	33	24	57	0	0	0	0	0	6	6	56	55	111
.....	.....	10	95	0	95	66	0	66	0	0	0	0	0	0	0	161	0	161
6	27	0	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	177	90	267
.....	2	7	64	16	80	30	9	39	0	0	0	9	6	15	103	31	134	66
.....	.....	10	35	14	49	18	15	33	0	0	0	46	45	91	99	74	173	67
3	9	2	14	90	77	167	73	61	134	.....	.....	.....	28	49	77	191	187	378
.....	.....	13	54	24	78	42	19	61	.....	.....	.....	.....	73	19	92	169	62	231
.....	.....	10	50	25	75	20	10	30	.....	.....	.....	.....	.....	.....	.....	70	74	144

TABLE 7.—Statistics of colleges of

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	ILLINOIS—cont'd.					
71	Quincy .....	St. Francis Solanus College.	Rev. P. Anselmus Mueller, O. S. F.	1873	1860	R. C .....
72	Rock Island .....	Augustana College....	Rev. T. N. Hasselquist, D. D.	1865	1860	Lutheran ..
73	Teutopolis .....	St. Joseph's Diocesan College.	Rev. P. Michael Richardt, O. S. F.	1881	1862	R. C .....
74	Upper Alton .....	Shurtleff College .....	Rev. A. A. Kendrick, D. D.	1835	1827	Baptist ...
75	Westfield .....	Westfield College ....	Rev. Isaiah L. Kephart, D. D., F. S. SC.	1865	1865	U. B .....
76	Wheaton .....	Wheaton College .....	Charles A. Blanchard .....	1860	1860	Cong ....
	INDIANA.					
77	Bloomington .....	Indiana University...	David S. Jordan, M. D., PH. D., LL. D.	1820	1824	Non-sect..
78	Crawfordsville....	Wabash College .....	Rev. Joseph F. Tuttle, D. D., LL. D.	1834	1833	Presb.....
79	Fort Wayne .....	Concordia College ....	Andrew Baepier .....	1850	1839	Lutheran ..
80	Franklin .....	Franklin College .....	Rev. W. T. Stott, D. D.	1844	1837	Baptist ...
81	Greencastle .....	De Pauw University..	Rev. Alexander Martin, D. D., LL. D.	1837	1837	M. E .....
82	Hanover .....	Hanover College .....	Rev. D. W. Fisher, D. D.	1832	1828	Presb.....
83	Hartsville .....	Hartsville College .....	Rev. C. H. Kiracofe, A. M.	1851	1850	U. B .....
84	Irrington .....	Butler University .....	Allen R. Benton, LL. D.	1850	1855	Christian ..
85	Merom .....	Union Christian College.*	Rev. L. J. Aldrich, A. M., B. D.	1859	1861	Christian ..
86	Moore's Hill .....	Moore's Hill College..	George P. Jenkins, D. D....	1854	1856	M. E .....
87	Notre Dame .....	University of Notre Dame.	Rev. Thomas E. Walsh, C. S. C.	1844	1845	R. C .....
88	Richmond .....	Earlham College .....	Joseph J. Mills, A. M.	1859	1847	Friends...
89	Ridgeville .....	Ridgeville College ....	Rev. E. O. Dickinson, A. M., B. D.	1867	1867	F. W. Bapt
90	St Meinrad .....	St. Meinrad's College .	Rt. Rev. Fintan M u n d - wiler, O. S. B., abbot.	.....	1857	R. C .....
	IOWA.					
91	Cedar Rapids .....	Coe College .....	Rev. James Marshall, A. M., D. D.	1881	1881	Presb.,....
92	College Springs...	Amity College .....	Rev. T. J. Kennedy, D. D....	1856	1871	Non-sect..
93	Davenport .....	Griswold College .....	Rev. William Stevens Perry, D. D., LL. D., D. C. L.	1859	1859	P. E .....
94	Decorah .....	Luther College .....	Rev. Laur Larsen .....	1865	1861	Luth .....
95	Des Moines .....	Drake University .....	G. T. Carpenter, A. M.	1881	1881	Christian ..
96	do .....	Des Moines College....	H. L. Stetson, D. D.	1865	1866	Baptist ...
97	Fairfield .....	Parsons College .....	Rev. Ambrose C. Smith, D. D.	1873	1875	Presb.....
98	Fayette .....	Upper Iowa University.	Rev. John William Bissell, A. M., D. D.	1862	1857	M. E .....
99	Grinnell .....	Iowa College .....	Rev. George A. Gates .....	1847	1848	Cong .....
100	Hopkinton .....	Lenox College .....	Rev. Alexander G. Wilson, D. D.	1856	1859	Presb.....
101	Indianola .....	Simpson College .....	Rev. W. E. Hamilton, A. M.	1867	1867	M. E .....
102	Iowa City .....	State University of Iowa.	Charles A. Schaeffer, A. M., PH. D.	1847	1860	Non-sect..
103	Mount Pleasant ..	German College .....	Rev. John Schlagenhaut, A. M.	1873	1873	M. E .....
104	do .....	Iowa Wesleyan University.	Rev. J. T. McFarland, D. D.	1855	1855	M. E .....
105	Mount Vernon...	Cornell College .....	Rev. William F. King, D. D., LL. D.	1857	1857	M. E .....
106	Oskaloosa .....	Oskaloosa College .....	J. A. Beattie, A. M.	1855	1862	Christian ..
107	do .....	Penn College .....	Benjamin Trueblood, LL. D.	1873	1873	Friends...
108	Pella .....	Central University of Iowa.	Rev. S. J. Axtell .....	1853	1853	Baptist. ..

\* Statistics of 1887-88.



liberal arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.																						
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.										
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.								
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25								
2	12	...	14	10	0	10	78	0	78	...	...	...	91	0	91	179	0	179	71							
2	8	...	20	71	26	97	63	1	64	2	0	2	26	5	31	162	32	194	72							
...	...	...	10	12	0	12	150	0	150	...	...	...	...	...	...	162	0	162	73							
5	7	...	12	...	...	...	18	15	33	...	...	...	1	...	...	137	72	209	74							
...	4	3	7	47	32	79	35	21	56	0	0	0	20	23	43	102	76	178	75							
...	...	16	16	...	...	...	...	...	...	...	...	...	...	...	223	...	...	223	76							
4	22	...	26	84	47	131	209	82	291	7	2	9	0	0	0	300	131	431	77							
3	10	...	13	98	0	98	138	0	138	...	...	...	...	...	...	236	0	236	78							
...	8	3	8	60	39	99	39	40	79	1	0	1	5	34	39	230	0	230	79							
16	14	13	43	...	...	326	...	...	268	...	...	5	...	...	213	...	...	812	80							
2	12	2	16	36	12	48	68	25	93	0	2	2	...	...	...	104	39	143	82							
2	3	2	7	26	17	43	14	12	26	0	1	1	4	4	8	44	34	78	83							
1	8	...	9	37	23	60	54	20	74	4	0	4	16	6	22	111	49	160	84							
4	6	...	10	...	...	...	...	...	...	...	...	...	...	...	...	101	46	147	85							
...	4	1	5	29	30	59	28	12	40	3	2	5	...	...	...	85	55	140	86							
8	31	7	46	...	...	...	...	...	...	...	...	...	...	...	...	664	0	664	87							
...	...	...	17	64	46	110	81	66	147	2	2	4	...	...	...	147	114	261	88							
...	...	...	3	29	25	54	2	1	3	...	...	...	...	13	13	31	59	70	89							
...	...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	69	0	69	90							
...	...	...	10	22	40	62	11	8	19	...	...	...	...	...	...	33	48	81	91							
...	...	...	10	80	71	151	20	17	37	...	...	...	40	51	91	140	139	279	92							
24	4	...	28	55	98	153	33	0	33	2	0	2	0	0	0	90	98	188	93							
...	0	9	93	0	93	44	0	44	0	0	0	0	0	0	0	137	0	137	94							
5	12	11	28	...	...	215	...	...	71	...	...	...	...	...	345	...	...	621	95							
...	...	...	10	43	19	62	6	6	12	...	...	...	0	3	3	49	28	77	96							
...	...	...	10	50	40	90	52	40	92	...	...	...	...	...	...	102	80	182	97							
...	...	...	18	180	93	273	76	24	100	0	3	3	88	44	132	344	164	508	98							
3	14	4	21	104	97	201	128	130	258	...	...	...	...	...	...	...	...	541	99							
...	...	1	8	22	31	53	32	42	74	1	0	1	11	1	12	66	74	140	100							
...	...	...	12	65	51	116	52	29	81	0	0	0	17	89	106	134	169	303	101							
...	23	...	23	...	...	...	194	87	281	...	...	...	...	...	...	194	87	281	102							
2	1	...	3	22	10	32	8	2	10	0	0	0	34	40	74	64	52	116	103							
1	9	5	15	103	80	183	44	28	72	...	...	...	3	53	56	150	161	311	104							
9	11	5	25	177	152	329	128	66	194	...	...	...	19	54	73	324	272	596	105							
...	...	...	7	60	51	111	23	27	50	...	...	...	...	...	...	83	78	161	106							
2	6	...	8	56	44	100	32	33	65	...	...	...	...	...	...	88	77	165	107							
3	7	...	10	50	42	92	10	8	18	0	0	0	...	...	...	60	50	110	108							

TABLE 7.—Statistics of colleges of

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	IOWA—continued.					
109	Tabor.....	Tabor College.....	Rev. William M. Brooks, A. M.	1866	1857	Cong.....
110	Toledo.....	Western College.....	J. S. Mills, A. M.	1856	1856	U. B.....
111	Waverly.....	Wartburg College....	G. Grossmann.....	1885	1868	Luth.....
	KANSAS.					
112	Atchison.....	Midland College.....	Rev. W. H. Wynn, PH. D., acting president.	1887	1887	Luth.....
113	.....do .....	St. Benedict's College.	Rt. Rev. Innocent Wolf, O. S. B., D. D.	1868	1859	R. C.....
114	Baldwin.....	Baker University.....	Rev. Hillary A. Gobin, A. M., D. D.	1858	1858	M. E.....
115	Emporia.....	College of Emporia...	Rev. John F. Hendy, D. D.	1882	1883	Presb....
116	Highland.....	Highland University...	Rev. A. B. Irwin.....	1857	1857	Presb....
117	Holton.....	Campbell University...	E. J. Hoenshel.....		1882	Non-sect..
118	Lawrence.....	University of Kansas...	Rev. J. A. Lippincott, D. D., LL. D.	1864	1866	Non-sect..
119	Lecompton .....	Lane University.....	Rev. J. A. Weller, D. D., PH. D.	1865	1865	U. B.....
120	Lindsborg .....	Bethany College.....	Rev. C. A. Swensson...	1883	1881	Luth.....
121	Ottawa.....	Ottawa University....	George Sutherland, A. M., B. D.	1865	1871	Baptist..
122	St. Mary's.....	St. Mary's College ...	Rev. Henry J. Votel, s. J. ...	1869	1870	R. C.....
123	Salina.....	Kansas Wesleyan University.	Aaron Schuyler, A. M., LL. D.	1885	1836	M. E.....
124	Sterling.....	Cooper Memorial College.	A. N. Porter, acting president.		1887	Un. Presb.
125	Topeka.....	Washburn College....	Peter McVicar, A. M., D. D.	1865	1865	Cong.....
126	Wichita.....	Garfield University...	H. W. Everest, A. M., LL. D., chancellor.	1886	1887	Christian .
	KENTUCKY.					
127	Berea.....	Berea College.....	Rev. E. H. Fairchild.....	1865	1855	Non-sect..
128	Bowling Green...	Ogden College.....	William A. Obenchain, A. M.	1877	1877	Non-sect..
129	Danville.....	Centre College.....	Rev. William C. Young, D. D.	1819	1821	Presb.....
130	Eminence.....	Eminence College.....	W. S. Giltner, M. A.....	1856	1857	Christian .
131	Farmdale.....	Kentucky Military Institute.	Col. D. F. Boyd, LL. D.....	1847	1845	Non-sect..
132	Georgetown .....	Georgetown College..	Rev. R. M. Dudley, D. D....	1829	1850	Baptist. ..
133	Hopkinsville.....	South Kentucky College.	James E. Scobey, A. M.....	1849	1849	Christian .
134	Lexington.....	Kentucky University.	Charles Louis Loos.....	1858	1859	Christian .
135	Millersburgh.....	Kentucky Wesleyan College.	D. W. Batson, A. M.....	1860	1866	M. E. South
136	Murray.....	Murray Male and Female Institute and West Kentucky Normal School.	W. W. Smith.....	1871	1871	Non-sect..
137	North Middletown	Kentucky Classical and Business College.*	S. W. Pearcy, A. M.....	1878	1877	Christian .
138	Richmond.....	Central University....	Rev. L. H. Blanton, D. D., chancellor.	1873	1874	So. Presb.
139	Russellville.....	Bethel College.....	Rev. W. S. Ryland, A. M., PH. D.	1856	1854	Baptist. ..
140	St. Mary's.....	St. Mary's College ...	Rev. David Fennessy, C. R.	1837	1821	R. C.....
	LOUISIANA.					
141	Baton Rouge.....	Louisiana State University and Agricultural and Mechanical College.	Col. J. W. Nicholson, A. M..	1855	1860	Non-sect..

\* Statistics of 1887-88.

*Liberal arts for 1888-89.—PART I—Continued.*

Professors and instructors.				Students.																
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.				
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
4	7	.....	11	50	41	91	21	31	52	.....	.....	.....	.....	.....	.....	.....	100	82	182	109
8	9	.....	17	73	36	109	50	23	73	1	0	1	.....	.....	.....	.....	124	59	183	110
.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65	0	65	111
1	5	.....	6	30	10	40	15	8	23	.....	.....	.....	.....	4	5	9	49	23	72	112
10	8	3	21	140	0	140	45	0	45	2	0	2	12	0	12	199	0	199	113	
.....	.....	.....	12	105	67	172	75	40	115	.....	.....	.....	.....	26	70	96	206	177	383	114
2	8	.....	10	67	34	101	17	7	24	1	3	1	11	18	29	96	59	155	115	
.....	.....	.....	12	30	37	67	14	6	20	2	2	4	10	21	31	56	66	122	116	
.....	.....	.....	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	250	268	518	117
.....	.....	.....	30	146	61	207	96	35	131	0	3	3	0	69	69	242	168	410	118	
.....	.....	.....	11	62	51	113	27	12	39	.....	.....	.....	.....	.....	.....	.....	.....	264	119	
.....	.....	.....	13	102	65	167	17	2	19	.....	.....	.....	56	9	65	175	76	251	120	
.....	.....	3	10	72	44	116	23	15	40	0	1	1	1	20	81	98	140	238	121	
9	8	.....	17	203	0	203	50	0	50	.....	.....	.....	.....	.....	.....	253	0	253	122	
3	7	.....	10	63	41	104	11	2	13	0	0	0	36	22	58	110	65	175	123	
.....	.....	.....	4	17	17	34	.....	.....	.....	.....	.....	.....	.....	8	42	50	25	59	84	124
.....	.....	.....	14	.....	.....	188	.....	.....	47	2	1	3	.....	.....	10	.....	.....	248	125	
.....	6	18	24	.....	.....	.....	40	17	57	.....	.....	.....	650	339	989	690	356	1,046	126	
.....	.....	.....	18	175	131	306	12	7	19	.....	.....	.....	.....	0	9	9	187	147	334	127
.....	4	.....	4	49	0	49	40	0	40	.....	.....	.....	.....	.....	.....	.....	89	0	89	128
3	7	.....	10	105	0	105	93	0	93	.....	.....	.....	.....	.....	.....	.....	198	0	198	129
1	7	.....	8	13	12	25	38	56	94	2	3	5	.....	.....	.....	.....	53	71	124	130
0	6	.....	6	0	0	0	33	0	33	1	0	1	.....	.....	.....	.....	34	0	34	131
3	7	.....	10	17	0	17	110	0	110	.....	.....	.....	.....	.....	.....	.....	127	0	127	132
2	7	2	11	10	8	18	48	52	100	.....	.....	.....	.....	.....	.....	.....	58	60	118	133
2	7	0	9	40	0	40	135	0	135	0	0	0	0	0	0	175	0	175	134	
.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	131	0	131	135	
.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	81	181	136	
2	9	.....	11	17	13	30	33	44	77	.....	.....	.....	.....	.....	.....	.....	50	57	107	137
3	8	.....	11	60	0	60	107	0	107	3	0	3	.....	.....	.....	.....	170	0	170	138
1	6	.....	7	43	0	43	129	0	129	.....	.....	.....	.....	.....	.....	.....	172	0	172	139
2	10	0	12	4	0	4	101	0	101	6	0	6	0	0	0	111	0	111	140	
2	11	.....	13	80	0	80	64	0	64	.....	.....	.....	.....	.....	.....	.....	144	0	144	141



TABLE 7.—Statistics of colleges of

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	LOUISIANA—continued.					
142	Convent .....	Jefferson College (St. Mary's).	Rev. Thomas Henry, s. M..	.....	1864	R. C.....
143	Grand Coteau .....	St. Charles College.....	Rev. W. I. Kennely, s. J.....	1852	1837	R. C.....
144	Jackson.....	Centenary College of Louisiana.	Rev. W. L. C. Hunnicutt, D. D.	1825	1825	Methodist.
145	Keatchie.....	Keatchie College .....	G. W. Thigpen, A. M., chairman of faculty.	1856	1856	Baptist..
146	New Orleans.....	College of the Immaculate Conception.*	Very Rev. Theobald W. Butler, s. J.	1856	1847	R. C.....
147	...do .....	Leland University....	Rev. Edward C. Mitchell, D. D.	.....	.....	Baptist..
148	...do .....	New Orleans University.	Rev. L. G. Adkinson, A. M., D. D.	1873	1873	M. E.....
149	...do .....	Southern University..	H. A. Hill .....	1880	1880	Non-sect..
150	...do .....	Straight University ..	Rev. R. C. Hitchcock, D. D.	1869	1870	Non-sect..
151	...do .....	Tulane University of Louisiana.	Wm. Preston Johnston, LL. D.	1884	1884	Non-sect..
152	Shreveport .....	Thatcher Institute* ..	Captain Geo. E. Thatcher, M. A.	1886	1871	Non-sect..
	MAINE.					
153	Brunswick .....	Bowdoin College.....	Rev. Wm. DeWitt Hyde, D. D.	1794	1802	Cong .....
154	Lewiston .....	Bates College.....	Rev. Oren B. Cheney, D. D..	1863	1863	Free Bapt.
155	Waterville .....	Colby University .....	Albion W. Small, PH. D.....	1813	1818	Baptist..
	MARYLAND.					
156	Annapolis .....	St. John's College.....	Thomas Fell, LL. D., PH. D.	1784	1789	Non-sect..
157	Baltimore .....	Johns Hopkins University.	Daniel C. Gilman, A. M., LL. D.	1867	1876	Non-sect..
158	...do .....	Loyola College.....	Rev. F. A. Smith, s. J .....	1853	1849	R. C .....
159	Ellicott City.....	Rock Hill College.....	Brother Denis .....	1865	1857	R. C .....
160	...do .....	St. Charles's College ..	Rev. F. L. Dumont, D. D ..	1830	1848	R. C .....
161	Mount St. Mary's P. O.	Mount St. Mary's College.	Very Rev. Edward P. Allen, D. D.	1830	1808	R. C .....
162	New Windsor ....	New Windsor College and Windsor Female College.	Rev. A. M. Jelly, D. D .....	1886	1843	Non-sect..
163	Westminster .....	Western Maryland College.	Rev. Thos. H. Lewis, A. M., D. D.	1868	1867	Meth. Pro.
	MASSACHUSETTS.					
164	Amherst.....	Amherst College.....	Rev. Julius H. Seelye, D. D., LL. D.	1825	1821	Cong .....
165	Boston.....	Boston College .....	Robert Fulton, s. J.....	1863	1863	R. C .....
166	...do .....	Boston University....	Wm. F. Warren, s. T. D., LL. D.	1869	1871	M. E.....
167	Cambridge.....	Harvard University ..	Charles William Eliot, LL. D.	1650	1638	Non-sect..
168	College Hill .....	Tufts College.....	Elmer Hewitt Capen, D. D.	1852	1855	Universal.
169	Williamstown ....	Williams College .....	Franklin Carter, PH. D., LL. D.	1793	1793	Non-sect..
170	Worcester.....	College of the Holy Cross.	Rev. Samuel Cahill, s. J.....	1865	1843	R. C .....
	MICHIGAN.					
171	Adrian .....	Adrian College .....	George B. McElroy, acting president.	1859	1859	Meth. Pro.
172	Albion.....	Albion College.....	Rev. Lewis R. Fiske, D. D., LL. D.	1861	1861	M. E.....
173	Ann Arbor .....	University of Michigan.	James B. Angell, LL. D.....	1837	1841	Non-sect..
174	Battle Creek .....	Battle Creek College..	Wm. Warren Prescott, A. M.	1874	1874	7-D. A....
175	Benzonia .....	Grand Traverse College.	S. B. Harvey .....	1863	1862	Cong .....

\*Statistics of 1887-88.

a. Twenty-four of these are non-resident.



TABLE 7.—Statistics of colleges of liberal

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	MICHIGAN—cont'd.					
176	Detroit .....	Detroit College .....	Rev. Michael P. Dowling, S. J.	1881	1879	R. C. ....
177	Hillsdale .....	Hillsdale College .....	George F. Mosher, A. M. . .	1855	1855	F. W. Bap.
178	Holland .....	Hope College .....	Rev. Charles Scott, D. D. . .	1866	1862	Reformed.
179	Kalamazoo .....	Kalamazoo College ..	Rev. Monson A. Willcox, D. D.	1833	1833	Baptist ...
180	Olivet .....	Olivet College .....	Rev. Horatio Q. Butter- field, D. D.	1859	1859	Cong. and Presb.
	MINNESOTA.					
181	Collegeville .....	St. John's University *	Alexius Edelbrock, O. S. B..	1857	1857	R. C. ....
182	Hamline .....	Hamline University ..	Rev. George H. Bridgman, D. D.	1854	1854	M. E. ....
183	Macalester .....	Macalester College ..	Rev. T. A. McCurdy .....	1853	1855	Non-sect..
184	Minneapolis .....	Augsburg Seminary ..	Rev. George Sverdrup .....	1869	1869	Luth. ....
185	do .....	University of Minne- sota.	Cyrus Northrop, LL. D. ....	1851	1869	Non-sect..
186	New Ulm .....	Dr. Martin Luther College.	Rev. O. Hoyer .....	1884	1884	Luth. ....
187	Northfield .....	Carleton College .....	Rev. James W. Strong, D. D.	1866	1870	Cong. ....
188	do .....	St. Olaf College .....	Rev. Thorbjørn N. Mohn.	1874	1875	Luth. ....
	MISSISSIPPI.					
189	Clinton .....	Mississippi College ..	Rev. W. S. Webb, D. D. ....	1830	1830	Baptist ..
190	Holly Springs .....	Rust University .....	Rev. C. E. Libby, D. D. ....	1870	1868	M. E. ....
191	Holmesville .....	Kavanaugh College ..	Rev. H. Walter Feather- stun.	1855	1884	Non-sect..
192	University .....	University of Missis- sippi.	Edward Mayes, LL. D., F. S. SC.	1844	1848	Non-sect..
	MISSOURI.					
193	Avalon .....	Avalon College .....	F. A. Z. Kumlér, A. M. ....	1869	1872	U. B. ....
194	Bolivar .....	Southwest Baptist College.	Julius M. Leavitt, A. M., PH. D.	1879	1878	Baptist ..
195	Bowling Green ...	Pike County College ..	Ernest W. Dow, A. B. ....	1887	1881	Non-sect..
196	Canton .....	Christian University ..	Simpson Ely .....	1853	1857	Christian.
197	Cape Girardeau ..	St. Vincent's College ..	Very Rev. Francis V. Nu- gent, C. M.	1843	1843	R. C. ....
198	Columbia .....	University of the State of Missouri.	S. S. Laws, LL. D. ....	1839	1840	Non-sect..
199	Edinburgh .....	Grand River College ..	Rev. J. T. Williams, A. M. . .	1845	1845	Baptist ...
200	Fayette .....	Central College .....	J. D. Hammond .....	1857	1857	M. E. So ..
201	Fulton .....	Westminster College ..	Rev. Wm. Hoge Marquess.	1832	1832	Presb. ....
202	Glasgow .....	Pritchett School In- stitute.	J. S. Kendall .....	1868	1866	Non-sect..
203	La Grange .....	La Grange College* ...	J. F. Cook, A. M., LL. D. ....	1859	1866	Baptist ...
204	Liberty .....	William Jewell Col- lege.	James G. Clark, LL. D., chairman of faculty.	1849	1850	Baptist ...
205	Morrisville .....	Morrisville College ..	Rev. J. B. Ellis .....	1876	1872	M. E. So ..
206	Neosho .....	Scarritt Collegiate In- stitute.	Rev. C. C. Woods, D. D. ....	1888	1888	M. E. So ..
207	St. Louis .....	College of the Chris- tian Brothers.	Rev. Bro. Paulian .....	1855	1851	R. C. ....
208	do .....	St. Louis University ..	Henry Moeller, S. J. ....	1832	1829	R. C. ....
209	do .....	Washington Univer- sity.	Marshall S. Snow, acting chancellor.	1853	1859	Non-sect..
210	Springfield .....	Drury College .....	Francis T. Ingalls .....	1873	1873	Cong. ....
211	Tarkio .....	Tarkio College .....	Rev. J. A. Thompson, A. M.	1855	1884	Un. Presb.
212	Warrenton .....	Central Wesleyan Col- lege.	Rev. Herman A. Koch, D. D.	1865	1864	Ger. M. E.
	MONTANA.					
213	Deer Lodge .....	College of Montana ...	Rev. D. J. McMillan, D. D. .	1884	1883	Presb. ....

\*Statistics of 1887-88.



arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.															
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.			
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
1	7	10	18	37	0	37	52	0	52	.....	.....	.....	166	0	166	255	0	255	176
8	8	0	16	49	26	75	86	37	123	1	0	1	12	76	88	148	139	287	177
3	7	.....	10	82	26	108	37	2	39	.....	.....	.....	17	75	92	136	103	239	178
.....	10	.....	10	.....	.....	143	.....	.....	38	.....	.....	.....	.....	.....	.....	.....	.....	181	179
5	11	.....	16	63	42	105	73	46	119	0	0	0	.....	.....	.....	136	88	224	180
3	15	.....	18	42	0	42	151	0	151	0	0	0	.....	.....	.....	193	0	193	181
2	6	2	10	.....	.....	118	.....	.....	43	.....	.....	.....	.....	.....	30	.....	.....	191	182
.....	.....	.....	11	110	0	110	54	0	54	3	0	3	.....	.....	.....	167	0	167	183
.....	5	.....	5	54	0	54	55	0	55	.....	.....	.....	.....	.....	.....	109	0	109	184
.....	.....	.....	28	42	4	46	220	67	287	20	14	34	161	70	231	443	155	598	185
.....	.....	.....	6	7	0	7	10	0	10	.....	.....	.....	.....	.....	.....	72	0	72	186
1	15	5	21	53	52	105	35	32	67	0	1	1	36	93	129	124	178	302	187
7	3	.....	10	67	23	90	18	0	18	0	0	0	.....	.....	.....	85	23	108	188
2	5	.....	7	127	0	127	132	0	132	.....	.....	.....	.....	.....	.....	259	0	259	189
.....	.....	.....	8	150	199	349	2	2	4	.....	.....	.....	.....	.....	.....	152	201	353	190
.....	7	.....	7	15	20	35	32	37	69	.....	.....	.....	.....	.....	.....	14	47	57	191
2	11	0	13	27	0	27	140	5	145	0	0	0	0	0	0	167	5	172	192
.....	.....	.....	7	33	11	44	24	11	35	0	0	0	33	48	81	90	70	160	193
.....	.....	.....	16	.....	.....	25	.....	.....	131	.....	.....	.....	.....	.....	.....	.....	.....	156	194
1	6	.....	8	.....	.....	105	.....	.....	25	.....	.....	.....	.....	.....	.....	.....	.....	130	195
3	7	.....	7	1	3	4	48	36	84	.....	.....	.....	.....	.....	.....	49	39	88	196
.....	.....	.....	10	41	0	41	53	0	53	.....	.....	.....	.....	.....	.....	94	0	94	197
.....	.....	.....	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	373	125	498	198
1	4	.....	5	25	20	45	10	30	40	.....	.....	.....	.....	.....	.....	35	50	85	199
.....	.....	.....	8	111	0	111	39	0	39	2	0	2	.....	.....	.....	152	0	152	200
1	8	.....	9	50	0	50	75	0	75	.....	.....	.....	.....	.....	.....	125	0	125	201
0	6	.....	6	.....	.....	.....	39	26	65	0	0	0	.....	.....	.....	39	26	65	202
.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60	51	111	203
.....	.....	.....	8	128	0	128	61	0	61	.....	.....	.....	.....	.....	.....	189	0	189	204
3	4	.....	7	61	60	121	10	8	18	.....	1	1	.....	.....	.....	71	69	140	205
.....	.....	.....	11	28	20	48	.....	.....	.....	.....	.....	.....	.....	.....	.....	70	80	150	206
9	10	6	25	150	0	150	60	0	60	0	0	0	100	0	100	310	0	310	207
6	8	7	21	118	0	118	114	0	114	12	0	12	205	0	205	449	0	449	208
0	24	.....	24	.....	.....	.....	91	9	100	.....	.....	.....	.....	.....	.....	91	9	100	209
.....	.....	.....	12	147	62	209	19	11	30	0	0	0	0	0	0	166	73	239	210
.....	.....	.....	10	13	21	34	16	5	21	.....	.....	.....	.....	.....	.....	29	26	55	211
2	8	.....	10	112	43	155	45	4	49	.....	.....	.....	.....	.....	.....	157	47	204	212
2	8	4	14	54	26	80	15	17	32	.....	.....	.....	.....	.....	.....	78	72	150	213

TABLE 7.—Statistics of colleges of liberal

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
1	2	3	4	5	6
NEBRASKA.					
214 Bellevue.....	Bellevue College.....	Rev. Francis S. Blayney, A. M., PH. D.	1880	1883	Presb.....
215 Central City .....	Nebraska Central Col- lege.*	Rev. H. A. Crane, A. M. ....	1885	1885	Non-sect..
216 Crete .....	Doane College .....	Rev. David B. Perry, A. M.,	1872	1873	Cong .....
217 Lincoln .....	Nebraska Wesleyan University.	C. F. Creighton, chancellor	1887	1888	M. E.....
218 ...do .....	University of Ne- braska.	Charles E. Bessey, acting chancellor.	1869	1871	Non-sect..
219 Neligh .....	Gates College.....	Rev. D. J. Baldwin, secre- tary.	1881	1881	Cong .....
220 Omaha .....	Creighton College ....	Rev. Thomas S. Fitzgerald, S. J.	1879	1879	R. C .....
NEVADA.					
221 Reno .....	State University of Nevada.	Le Roy D. Brown, A. M., PH. D.	1862	1874	Non-sect..
NEW HAMPSHIRE.					
222 Hanover.....	Dartmouth College ...	Rev. Samuel C. Bartlett, D. D., LL. D.	1769	1770	Cong .....
NEW JERSEY.					
223 Newark .....	St. Benedict's College.	Rev. Hugo Paff, O. S. B., PH. D.	1881	1898	R. C .....
224 New Brunswick..	Rutgers College .....	Merrill Edwards Gates, PH. D., LL. D., L. H. D.	1766	1770	Reformed.
225 Princeton.....	College of New Jersey	Rev. Francis Landey Pat- ton, D. D., LL. D.	1748	1746	Non-sect..
226 Vineland .....	College of the Sacred Heart.*	Rev. Eugene H. Porcile, S. P. M.	1887	1885	R. C .....
NEW MEXICO.					
227 Albuquerque .....	Albuquerque College .	Rev. W. Bowser, A. M. ....	1887	1887	M. E.....
228 Santa Fé .....	University of New Mexico.	Rev. E. Lyman Hood, A. M., acting president.	1881	1880	Cong .....
NEW YORK.					
229 Alfred Centre ....	Alfred University ....	Rev. Jonathan Allen, D. D., PH. D., LL. D.	1857	1857	7-Day Bap
230 Allegany .....	St. Bonaventure's Col- lege.	Fr. Joseph Butler, O. S. F..	1875	1859	R. C .....
231 Annandale .....	St. Stephen's College..	Rev. Robert B. Fairbairn, D. D., LL. D.	1860	1858	Episcopal.
232 Brooklyn .....	Brooklyn Collegiate and Polytechnic In- stitute.	David H. Cochran, PH. D., LL. D.	1854	1854	Non-sect..
233 ...do .....	St. Francis College....	Brother Jerome, O. S. F.....	1884	1859	R. C .....
234 Buffalo .....	Canisius College.....	Rev. J. U. Heinze .....	1883	1870	R. C .....
235 Canton .....	St. Lawrence Univer- sity.	Alpheus Baker Hervey, PH. D.	1856	1859	Univ .....
236 Clinton .....	Hamilton College.....	Rev. Henry Darling, D. D., LL. D.	1812	1812	Presb.....
237 Geneva .....	Hobart College .....	Eliphalet Nott Potter, S. T. D., LL. D.	1825	1825	P. E .....
238 Hamilton .....	Madison University ..	Ebenezer Dodge, D. D., LL. D.	1846	1819	Baptist ...
239 New York .....	College of St. Francis Xavier.	Rev. David A. Merrick, S. J.	1861	1847	R. C .....
240 ...do .....	College of the City of New York.	Alexander S. Webb, LL. D.	1847	1849	Non-sect..
241 ...do .....	Columbia College.....	Henry Drisler, LL. D., act- ing president.	1754	1754	Non-sect..
242 ...do .....	Manhattan College ...	Rev. Brother Justin.....	1863	1853	R. C .....

\* Statistics of 1887-88.

arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.																		
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.						
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
.....	.....	.....	7	16	10	26	12	2	14	7	1	8	.....	.....	.....	40	20	60	214			
1	6	.....	7	18	13	31	57	40	97	0	0	0	.....	.....	.....	75	53	128	215			
.....	.....	.....	10	38	23	61	27	13	40	0	0	0	27	61	88	92	97	189	216			
.....	.....	.....	7	26	15	41	6	6	12	.....	.....	.....	.....	.....	.....	32	21	53	217			
.....	.....	.....	29	85	50	135	118	73	191	.....	.....	9	.....	.....	.....	221	206	427	218			
.....	.....	.....	6	12	17	29	7	3	10	.....	.....	.....	13	34	47	32	54	86	219			
.....	.....	.....	16	168	0	168	14	0	14	.....	.....	.....	.....	.....	.....	182	0	182	220			
.....	.....	.....	7	0	0	0	25	18	43	0	0	0	41	59	100	66	77	143	221			
0	20	0	20	0	0	0	229	0	229	0	0	0	0	0	0	229	0	229	222			
1	7	0	8	11	0	11	82	0	82	0	0	0	0	0	0	93	0	93	223			
.....	18	.....	18	.....	.....	.....	107	0	107	.....	.....	.....	.....	.....	.....	107	0	107	224			
0	42	.....	42	0	0	0	574	0	574	93	0	93	.....	.....	.....	667	0	667	225			
.....	.....	.....	12	30	0	30	41	0	41	.....	.....	.....	.....	.....	.....	94	0	94	226			
4	0	0	4	.....	.....	95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95	227			
1	3	0	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	228			
.....	.....	.....	19	98	86	184	62	51	113	2	4	6	.....	.....	.....	162	141	303	229			
7	8	.....	15	28	0	28	85	0	85	.....	.....	.....	.....	.....	.....	113	0	113	230			
.....	.....	.....	5	14	0	14	56	0	56	0	0	0	0	0	0	70	0	70	231			
25	14	3	42	568	0	568	209	0	209	3	0	3	.....	.....	.....	780	0	780	232			
.....	.....	.....	21	304	0	304	44	0	44	0	0	0	115	0	115	463	0	463	233			
1	16	.....	17	32	0	32	321	0	321	.....	.....	.....	.....	.....	.....	353	0	353	234			
0	8	0	8	0	0	0	51	22	73	8	6	14	0	0	0	59	28	87	235			
0	14	.....	14	0	0	0	155	0	155	.....	.....	.....	.....	.....	.....	155	0	155	236			
0	13	0	13	0	0	0	66	0	66	0	0	0	0	0	0	66	0	66	237			
6	14	.....	20	139	0	139	123	0	123	.....	.....	.....	.....	.....	.....	262	0	262	238			
6	9	5	20	117	0	117	306	0	306	.....	.....	.....	.....	.....	.....	423	0	423	239			
14	26	.....	40	762	0	762	515	0	515	.....	.....	.....	.....	.....	.....	1277	0	1277	240			
0	46	.....	46	0	0	0	237	26	263	28	0	28	.....	.....	.....	265	26	291	241			
11	10	1	22	150	0	150	110	0	110	0	0	0	20	0	20	280	0	280	242			



TABLE 7.—Statistics of colleges of liberal

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	NEW YORK—continued.					
243	New York.....	University of the City of New York.....	Rev. Henry M. MacCracken, D. D., LL. D., vice chancellor.	1831	1832	Non-sect..
244	Niagara University.....	Niagara University...	Very Rev. P. V. Kavanagh, C. M.	1883	1856	R. C. ....
245	Rochester.....	University of Rochester.	M. B. Anderson, LL. D., acting president.	1850	1850	Baptist...
246	Schenectady.....	Union College.....	Harrison E. Webster, LL. D.	1795	1795	Non-sect..
247	Syracuse.....	Syracuse University..	Rev. C. N. Sims, D. D.....	1870	1871	M. E.....
	NORTH CAROLINA.					
248	Chapel Hill.....	University of North Carolina.	Hon. Kemp P. Battle, LL. D.	1789	1795	Non-sect..
249	Charlotte.....	Biddle University....	Rev. W. F. Johnson, D. D..	1877	1868	Presb.....
250	Davidson College.....	Davidson College.....	Rev. J. B. Shearer, D. D....	1837	1837	Presb.....
251	Mt. Pleasant.....	North Carolina College.	Rev. J. D. Shirey.....	1859	1858	Lutheran.
252	Raleigh.....	Shaw University*....	Rev. H. M. Tupper, D. D..	1875	1865	Baptist...
253	Rutherford College.....	Rutherford College...	Rev. R. L. Abernethy, A. M., D. D.	1853	1853	Non-sect..
254	Salisbury.....	Livingstone College...	Rev. J. C. Price, D. D.....	1879	1880	A. M. E. Zion.
255	Trinity College....	Trinity College.....	John Franklin Crowell, A. B.	1858	1858	M. E. So..
256	Wake Forest.....	Wake Forest College..	Rev. Charles E. Taylor, D. D., B. LIT.	1833	1834	Baptist...
257	Weaverville.....	Weaverville College*.	S. R. Trawick, A. M.	1870	1871	M. E. So..
	OHIO.					
258	Akron.....	Buchtel College.....	Rev. O. Cone, D. D.....	1870	1872	Univ.....
259	Alliance.....	Mount Union College.	Rev. T. P. Marsh, D. D.....	1858	1846	M. E.....
260	Ashland.....	Ashland University....	J. M. Tombaugh.....	1878	1879	Ger. Bap..
261	Athens.....	Ohio University.....	Charles W. Super, A. M., PH. D.	1804	1809	Non-sect..
262	Berea.....	Baldwin University*.	Rev. Joseph E. Stubbs....	1856	1856	M. E.....
263	do.....	German Wallace College.	Rev. William Nast, D. D..	1864	1865	M. E.....
264	Cincinnati.....	St. Joseph's College...	Rev. James Rogers, C. S. C..	1873	1871	R. C.....
265	do.....	St. Xavier College.....	Rev. Henry A. Schapman, S. J.	1869	1840	R. C.....
266	do.....	University of Cincinnati.	Jacob D. Cox, A. M., LL. D..	1859	1873	Non-sect..
267	Cleveland.....	Adelbert College of Western Reserve University.	Rev. Hiram C. Haydn, D. D., LL. D.	1826	1825	Non-sect..
268	do.....	Calvin College.....	Rev. H. J. Ruetenik, D. D..	1883	1870	Reformed.
269	College Hill.....	Belmont College.....	P. V. N. Myers, A. M.....	1846	1846	.....
270	Columbus.....	Capital University....	Rev. M. Loy, D. D.....	1850	1850	Lutheran.
271	do.....	Ohio State University.	William H. Scott, LL. D....	1870	1873	Non-sect..
272	Delaware.....	Ohio Wesleyan University.	J. W. Bashford.....	1842	1844	M. E.....
273	Findlay.....	Findlay College.....	Rev. J. R. H. Latchaw....	1882	1836	Church of God.
274	Gambier.....	Kenyon College.....	Rev. Wm. B. Bodine, D. D..	1824	1825	P. E.....
275	Germanatown.....	Twin Valley College...	Orvon Graf Brown, A. M....	1887	1886	Non-sect..
276	Granville.....	Denison University....	Galusha Anderson, D. D., LL. D.	1832	1831	Baptist...
277	Hiram.....	Hiram College.....	Ely V. Zollars, A. M.....	1867	1867	Christian.
278	Marietta.....	Marietta College.....	Hon. John Eaton, PH. D., LL. D.	1835	1835	Non-sect..
279	New Athens.....	Franklin College.....	Rev. W. A. Williams, D. D.	1825	1825	Non-sect..

\* Statistics of 1887-88.

arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.															
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.			
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
....	18	4	22	....	....	....	117	0	117	63	1	64	....	....	....	180	1	181	243
....	....	....	14	88	0	88	55	0	55	....	....	....	....	....	....	143	0	143	244
0	13	0	13	0	0	0	173	0	173	0	0	0	0	0	0	173	0	173	245
0	16	0	16	0	0	0	90	0	90	0	0	0	0	0	0	90	0	90	246
0	12	7	19	0	0	0	296	63	359	....	....	....	30	181	211	326	244	570	247
....	....	....	13	0	0	0	164	0	164	2	0	2	0	0	0	166	0	166	248
0	7	0	7	101	0	101	40	0	40	....	....	....	....	....	....	141	0	141	249
1	3	....	4	0	0	0	96	0	96	0	0	0	0	0	0	96	0	96	250
....	....	....	16	32	0	32	17	0	17	....	....	....	....	....	....	49	0	49	251
....	....	....	6	6	13	19	47	7	54	0	0	0	....	....	....	135	146	281	252
....	....	....	6	....	....	....	137	53	190	....	....	....	....	....	....	137	53	190	253
....	....	....	13	72	94	166	12	2	14	....	....	....	16	15	31	100	111	211	254
0	8	....	8	0	0	0	111	0	111	0	0	0	0	0	0	111	0	111	255
....	11	....	11	....	....	....	218	0	218	....	....	....	....	....	....	218	0	218	256
....	....	....	3	40	43	83	16	9	25	0	0	0	....	....	....	56	52	108	257
9	13	4	26	82	68	150	48	44	92	....	....	....	....	....	....	130	112	242	258
4	4	....	17	173	97	270	112	21	133	....	....	....	78	87	165	363	205	568	259
6	10	0	16	8	26	15	41	5	2	7	....	....	....	....	....	31	17	48	260
....	....	....	6	68	30	98	45	20	65	....	....	....	....	....	....	113	50	163	261
4	10	....	14	48	44	92	16	28	44	0	1	1	....	....	....	64	73	137	262
1	5	0	6	30	13	43	36	2	38	0	0	0	24	1	25	90	16	106	263
6	5	0	11	157	0	157	43	0	43	....	....	....	....	....	....	200	0	200	264
....	....	....	24	224	0	224	59	0	59	4	0	4	93	0	93	380	0	380	265
0	14	0	14	....	....	....	85	35	120	4	1	5	....	....	....	89	36	125	266
7	13	0	20	63	53	116	59	6	65	0	0	0	0	0	0	122	59	181	267
4	5	1	10	24	1	25	17	8	25	....	....	....	6	28	34	47	37	84	268
....	....	....	5	16	28	44	....	....	....	....	....	....	....	....	....	16	28	44	269
....	....	....	8	53	0	53	64	0	64	....	....	....	....	....	....	117	0	117	270
....	....	....	29	147	18	165	168	29	197	-11	0	11	0	0	0	326	47	373	271
10	16	....	26	330	103	433	250	176	426	....	....	....	18	93	111	598	372	970	272
....	....	....	18	75	26	101	31	8	39	0	1	1	72	124	196	178	159	337	273
8	9	....	17	98	0	98	47	0	47	5	0	5	....	....	....	150	0	150	274
....	....	....	8	....	....	....	....	....	....	....	....	....	....	....	....	20	18	38	275
5	8	....	13	....	....	....	....	....	....	1	0	1	....	....	....	180	44	224	276
....	....	....	15	54	17	71	36	15	51	3	0	3	61	65	126	154	97	251	277
3	9	0	12	70	0	70	92	0	92	0	0	0	0	0	0	162	0	162	278
4	2	....	11	....	....	....	....	....	....	....	....	....	....	....	....	66	40	106	279

TABLE 7.—Statistics of colleges of liberal

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	OHIO—continued.					
230	New Concord.....	Muskingum College..	Rev. John D. Irons, D. D....	1837	1837	Un. Presb.
231	Oberlin.....	Oberlin College.....	Rev. Jas. B. Fairchild, D. D..	1833	1834	Non-sect..
232	Oxford.....	Miami University.....	Ethelbert D. Warfield....	1809	1816	Non-sect..
233	Richmond.....	Richmond College....	Geo. Whitfield Macmillan..	1835	1843	Non-sect..
234	Rio Grande.....	Rio Grande College....	Rev. John M. Davis, A. M....	1875	1876	F. W. Bap.
235	Scio.....	Scio College.....	Rev. G. B. Smith, Ph. D....	1844	1859	M. E.
236	Tiffin.....	Heidelberg College...	Rev. Geo. W. Williard, D. D., LL. D.	1851	1850	Reformed.
237	Urbana.....	Urbana University...	Thos. F. Moses, A. M., M. D.	1850	1851	New Ch...
238	Westerville.....	Orterbein University..	Rev. Henry Garst, D. D....	1849	1847	U. B.....
239	Wilberforce.....	Wilberforce Univer- sity	Rev. S. T. Mitchell, A. M....	1856	1856	Af. M. E..
290	Wilmington.....	Wilmington College..	James B. Unthank, M. S....	1875	1870	Friends...
291	Wooster.....	University of Wooster	Rev. Sylvester F. Scovel...	1866	1870	Presb.....
292	Yellow Springs...	Antioch College.....	Rev. Daniel A. Long, A. M. D. D., LL. D.	1852	1853	Non-sect..
	OREGON.					
293	Eugene City.....	University of Oregon	J. W. Johnson, A. M.....	1872	1876	Non-sect..
294	Forest Grove.....	Pacific University and Puget Sound Acad- emy.*	Rev. J. F. Ellis, A. M., D. D.	1854	1848	Cong.....
295	McMinnville.....	McMinnville College	Rev. T. G. Brownson.....	1859	1860	Baptist...
296	Salem.....	Willamette University	Thos. Van Scoy, A. M., D. D.	1853	1844	M. E.....
	PENNSYLVANIA.					
297	Allegheny.....	Western University of Pennsylvania.	Milton B. Goff, A. M., LL. D.	1819	1822	Non-sect..
298	Allentown.....	Muhlenberg College..	Rev. Theodore Lorenzo Seip, D. D.	1867	1867	Luth.....
299	Annville.....	Lebanon Valley Col- lege.	Rev. E. S. Lorenz.....	1867	1866	U. B.....
300	Beatty.....	St. Vincent's College.	Rt. Rev. A. Hintenach, O. S. B.	1870	1846	R. C.....
301	Beaver Falls.....	Geneva College.....	Rev. H. H. George, D. D....	1849	1849	Ref. Presb.
302	Carlisle.....	Dickinson College....	Rev. George E. Reed, D. D., LL. D.	1763	1763	M. E.....
303	Chester.....	Pennsylvania Military Academy.	Col. Charles E. Hyatt, C. E.	1862	1862	Non-sect..
304	Collegeville.....	Ursinus College.....	Rev. J. H. A. Bomberger, D. D., LL. D.	1869	1870	Reformed.
305	Easton.....	Lafayette College....	James H. Mason Knox, D. D., LL. D.	1826	1832	Presb.....
306	Gettysburgh.....	Pennsylvania College.	Rev. H. W. McKnight, D. D.	1832	1832	Lutheran.
307	Greenville.....	Thiel College.....	Rev. W. A. Beates, A. M....	1871	1871	Lutheran.
308	Grove City.....	Grove City College....	Isaac C. Ketter, A. M., Ph. D.	1879	1876	Non-sect..
309	Haverford College	Haverford College....	Isaac Sharpless, Sc. D....	1833	1833	Friends...
310	Lancaster.....	Franklin and Marshall College	Rev. Thomas G. Apple, D. D., LL. D.	1853	1853	Reformed.
311	Lewisburgh.....	Bucknell University..	Geo. G. Groff, acting presi- dent	1846	1845	Baptist...
312	Loretto.....	St. Francis College....	Franciscan Bros.....	1858	1850	R. C.....
313	Meadville.....	Allegheny College....	Rev. Wilbur G. Williams, D. D.	1817	1815	M. E.....
314	New Berlin.....	Central Pennsylvania College.	Rev. A. E. Gobble, A. M....	1880	1856	Ev. Ass'n.
315	New Wilmington.	Westminster College.	Rev. R. G. Ferguson, D. D....	1854	1852	Un. Presb.
316	Philadelphia.....	La Salle College.....	Brother Abraham, F. S. C....	1863	1867	R. C.....
317	.....do.....	St. Joseph's College...	Rev. B. Villager.....	1852	1852	R. C.....
318	.....do.....	University of Penn- sylvania.	William Pepper, M. D., LL. D., provost.	1753	1753	Non-sect..
319	Pittsburgh.....	Holy Ghost College...	Rev. John T. Murphy, c. s. sp.	1882	1878	R. C.....

\* Statistics of 1887-88.



arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.																
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.				
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
.....	4	4	8	47	17	64	38	12	50	.....	.....	.....	.....	.....	.....	85	29	114	280	
.....	.....	17	45	264	31	295	248	353	601	1	0	1	141	437	578	654	821	1475	281	
.....	.....	.....	11	19	0	19	36	2	38	.....	.....	.....	.....	.....	.....	55	2	57	282	
.....	.....	.....	6	18	10	28	8	1	9	.....	.....	.....	.....	.....	.....	38	42	80	283	
.....	.....	.....	5	12	12	24	9	5	14	0	0	0	51	21	72	72	78	110	284	
.....	.....	.....	11	58	30	88	200	108	308	.....	.....	.....	.....	6	6	258	144	402	285	
1	7	4	12	.....	.....	90	.....	.....	96	.....	.....	.....	.....	.....	.....	.....	.....	186	286	
2	5	0	7	9	7	16	6	1	7	0	0	0	5	7	12	20	15	35	287	
3	7	5	15	68	35	103	34	16	50	0	1	1	39	70	109	141	122	263	288	
7	6	.....	13	46	19	65	14	4	18	0	0	0	.....	.....	.....	82	42	124	289	
.....	.....	.....	7	38	35	73	21	13	34	.....	.....	.....	.....	.....	.....	59	48	107	290	
.....	.....	.....	24	127	37	164	154	42	196	112	5	117	33	117	150	426	201	627	291	
.....	.....	.....	14	50	47	97	18	15	33	4	5	9	.....	.....	.....	104	106	210	292	
.....	.....	.....	9	.....	.....	.....	98	62	160	.....	.....	.....	.....	.....	.....	98	62	160	293	
.....	.....	.....	6	42	36	78	17	5	22	.....	.....	.....	.....	.....	.....	59	41	100	294	
.....	.....	.....	4	49	40	89	5	2	7	.....	.....	.....	.....	.....	.....	54	42	96	295	
6	4	6	16	.....	.....	.....	24	7	31	.....	.....	.....	1	39	40	133	98	231	296	
4	14	0	18	140	0	140	77	0	77	0	0	0	0	0	0	217	0	217	297	
2	6	0	8	72	0	72	79	0	79	0	0	0	0	0	0	151	0	151	298	
7	7	.....	14	38	7	45	35	10	45	0	0	0	63	33	96	136	50	186	299	
9	14	.....	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	257	0	257	300	
2	6	1	9	33	21	54	40	20	60	.....	.....	.....	.....	.....	.....	73	41	114	301	
3	10	.....	13	56	10	66	82	16	98	.....	.....	.....	.....	.....	.....	138	26	164	302	
.....	.....	.....	14	28	0	28	125	0	125	.....	.....	.....	.....	.....	.....	153	0	153	303	
4	9	.....	13	68	39	107	55	6	61	.....	.....	.....	.....	.....	.....	123	45	168	304	
0	26	0	26	0	0	0	271	0	271	38	0	38	0	0	0	309	0	309	305	
4	11	0	15	63	1	64	125	1	126	11	0	11	0	0	0	199	2	201	306	
3	5	1	9	36	14	50	50	12	62	0	3	3	0	0	0	86	29	115	307	
6	6	1	13	.....	.....	238	.....	.....	250	.....	.....	.....	.....	.....	100	.....	.....	588	308	
0	15	0	15	0	0	0	85	0	85	4	0	4	0	0	0	89	0	89	309	
2	10	0	12	29	0	29	107	0	107	0	0	0	0	0	0	136	0	136	310	
13	9	.....	22	77	151	228	68	6	74	.....	.....	.....	.....	.....	.....	145	157	302	311	
.....	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	0	50	312	
11	8	.....	19	93	26	119	119	26	145	22	0	22	.....	.....	.....	234	52	286	313	
2	5	.....	7	41	1	42	36	9	45	0	0	0	19	1	20	96	11	107	314	
.....	.....	.....	10	37	14	51	78	38	116	.....	.....	.....	.....	.....	89	.....	.....	256	315	
9	8	2	19	163	0	163	104	0	104	.....	.....	.....	11	0	11	278	0	278	316	
9	3	.....	12	200	240	440	81	0	81	0	0	0	.....	.....	.....	281	240	521	317	
0	48	15	63	0	0	0	355	15	370	31	0	31	33	4	37	419	19	438	318	
5	13	.....	18	70	0	70	80	0	80	.....	.....	.....	.....	.....	.....	150	0	150	319	

TABLE 7.—Statistics of colleges of liberal

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	PENNSYLVANIA—continued.					
320	Swarthmore .....	Swarthmore College ..	Edward H. Magill, LL. D. . .	1864	1869	Friends...
321	Villanova .....	Villanova College .....	Rev. Francis M. Sheeran, S. T. B., O. S. A.	1848	1842	R. C .....
322	Washington .....	Washington and Jeff- erson College.	Rev. James D. Moffat, D. D.	1802	1802	Presb. ....
	RHODE ISLAND.					
323	Providence .....	Brown University ....	Rev. Elisha Benjamin An- drews, D. D., LL. D.	1765	1765	Non-sect..
	SOUTH CAROLINA.					
324	Charleston .....	College of Charleston.	H. E. Shepherd, A. M., LL. D.	1785	1785	Non-sect..
325	Clinton .....	Presbyterian College of South Carolina.	J. W. Kennedy, A. M. ....	.....	1879	Presb. ....
326	Columbia .....	Allen University .....	Joseph W. Morris, A. M., LL. B.	1880	1881	M. E. ....
327	...do .....	University of South Carolina.	John M. McBryde, LL. D. . .	1801	1805	Non-sect..
328	Due West .....	Erskine College .....	Rev. W. M. Grier, D. D. ....	1842	1839	As. Ref. Presb.
329	Greenville .....	Furman University...	Charles Manly, D. D. ....	1850	1851	Baptist..
330	Newberry .....	Newberry College ....	Rev. G. W. Holland, PH. D., D. D.	1856	1858	Lutheran.
331	Spartanburgh .....	Wofford College .....	James H. Carlisle, A. M., LL. D.	1852	1854	M. E. So ..
	TENNESSEE.					
332	Athens .....	Grant Memorial Uni- versity.	John F. Spence, S. T. D. ....	1867	1867	M. E. ....
333	Bristol .....	King College .....	Rev. J. Albert Wallace, D. D.	1869	1869	Presb. ....
334	Chattanooga .....	Chattanooga Univer- sity.	Rev. Edward S. Lewis, D. D.	1836	1886	M. E. ....
335	Hiwassee .....	Hiwassee College .....	Rev. J. H. Brunner, A. M., D. D.	1850	1849	M. E. So..
336	Jackson .....	Southwestern Baptist University.	George W. Jarman, LL. D. . .	1874	1875	Baptist..
337	Knoxville .....	University of Tennes- see; Tennessee Ag- ricultural and Me- chanical College.	Charles W. Dabney, jr., PH. D., LL. D.	1794	1795	Non-sect..
338	Lebanon .....	Cumberland Univer- sity.	N. Green, LL. D., chan- cellor.	1842	1842	C u m b. Presb.
339	McKenzie .....	Bethel College .....	Rev. J. L. Dickens, PH. D. . .	1850	1847	C u m b. Presb.
340	Maryville .....	Maryville College ....	Rev. Dr. Samuel W. Board- man.	1842	1819	Presb. ....
341	Memphis .....	Christian Brothers' College.	Brother Maurelian .....	1872	1871	R. C .....
342	Milligan .....	Milligan College .....	J. Hopwood, A. M. ....	1882	.....	Christian.
343	Mossy Creek .....	Carson and Newman College.	Rev. W. A. Montgomery, D. D.	1853	1849	Baptist..
344	Nashville .....	Central Tennessee College.	Rev. John Braden, D. D. ....	1866	1866	M. E. ....
345	...do .....	Fisk University .....	Rev. Erastus Milo Cravath, D. D.	1867	1866	Cong. ....
346	...do .....	Roger Williams Uni- versity.	Alfred Owen, D. D. ....	1883	1864	Baptist..
347	...do .....	Vanderbilt University	L. C. Garland, LL. D., chan- cellor.	1873	1875	M. E. So ..
348	Sewanee .....	University of the South.	Rev. Telfair H. dgonson, D. D.	1858	1868	P. E. ....

\* Statistics of 1887-88.

arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.																
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.				
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.		
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
0	11	0	22	64	18	82	85	80	165	0	0	0	0	0	0	149	98	247	320	
			11	0	0	0	47	0	47	0	0	0	0	0	0	47	0	47	321	
			11	87	0	87	176	0	176	0	0	0	0	0	0	263	0	263	322	
0	22		22	0	0	0	268	0	268							268	0	268	323	
			5				26	0	26							26	0	26	324	
			5	28	30	58	31	10	41							59	40	99	325	
4	4		8	6	0	6	6	0	6							101	140	241	326	
	27		27				175	0	175	14	0	14				189	0	189	327	
1	5	0	6	20	0	20	62	0	62							82	0	82	328	
2	5		7	46	0	46	87	0	87							133	0	133	329	
2	6		8	54	0	54	39	0	39	0	0	0	10	0	10	103	0	103	330	
4	7		11	99	0	99	89	0	89							188	0	188	331	
			19			208			73							191	90	281	332	
	4		4	32	0	32	33	0	33							65	0	65	333	
			9			80			25						42	63	79	147	334	
0	4	0	4				95	0	95							95	0	95	335	
	6		6	17	0	17	140	0	140							157	0	157	336	
0	20		20	0	0	0	257	0	257	2	0	2				259	0	259	337	
2	4		6	110	0	110	109	0	109							223	0	223	338	
			6													172	134	306	339	
			13	130	74	204	52	34	86		1	1				182	109	291	340	
5	8	8	21	206	0	206	56	0	56							262	0	262	341	
4	6		10	49	22	71	49	16	65	4	3	7				102	41	143	342	
4	8	0	12	89	115	204	27	28	55	0	2	2	0	2	2	116	147	263	343	
4	4		8	22	7	29	7	1	8				139	256	395	168	264	432	344	
7	7		21	39	8	47	45	5	50							231	268	499	345	
			10				60	3	63							154	130	284	346	
			23				152	0	152	15	0	15	51	0	51	218	0	218	347	
6	16		22	156	0	156	144	0	144							300	0	300	348	



TABLE 7.—Statistics of colleges of liberal

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	TENNESSEE—cont'd.					
349	Tusculum .....	Greenville and Tusculum College.	Rev. Jere Moore, D. D.....	1794	1794	Presb ....
	TEXAS.					
350	Austin.....	University of Texas..	Leslie Waggener, chairman of faculty.	1881	1881	Non-sect .
351	Fort Worth.....	Fort Worth University.	Rev. A. A. Johnson, A. M., D. D.	1881	1881	M. E.....
352	Galveston .....	St. Mary's University.	Rev. Th. W. Butler, S. J....	1856	1854	R. C. ....
353	Georgetown .....	South-Western University.	Rev. John W. Heidt, D. D..	1875	1873	M. E. So ..
354	Italy .....	Hope Institute .....	A. T. Seitz .....	1886	1881	Christian.
355	Marshall.....	Wiley University ....	George Whitaker, D. D .....	1873	1873	M. E.....
356	Salado .....	Salado College*.....	Cyrus Ulrich .....	1860	1860	Non-sect ..
357	Sherman.....	Austin College.....	Rev. S. M. Luckett, D. D ..	1849	1851	So-Presb..
358	Tehuacana .....	Trinity University* ..	L. A. Johnson .....	1870	1869	Cumbind-Presb.
359	Waco.....	Baylor University ....	Rufus C. Burleson, D. D., LL. D.	1845	1846	Baptist...
	UTAH.					
360	Salt Lake City ...	University of Deseret.	John R. Park, M. D.....	1850	1850	Non-sect .
	VERMONT.					
361	Burlington .....	University of Vermont and State Agricultural College.	Matthew H. Buckham, D. D.	1791	1800	Non-sect .
362	Middlebury .....	Middlebury College ..	Ezra Brainerd, A. M.....	1800	1801	Non-sect .
	VIRGINIA.					
363	Ashland.....	Randolph-Macon College.	William Waugh Smith, A. M., LL. D.	1830	1832	M. E. So ..
364	Charlottesville...	University of Virginia.	William M. Thornton, chairman of the faculty.	1819	1825	Non-sect .
365	Emory.....	Emory and Henry College.	Richard W. Jones.....	1837	1839	M. E. So ..
366	Hampden Sidney.	Hampden Sidney College.	Richard McIlwaine, D. D...	1783	1776	Non-sect .
367	Lexington .....	Washington and Lee University.	Gen. G. W. C. Lee, LL. D...	1782	1749	Non-sect .
368	Richmond .....	Richmond College....	H. H. Harris, M. A., LL. D...	1840	1832	Baptist...
369	Salem.....	Roanoke College.....	Julius D. Dreher, A. M., PH. D.	1853	1853	Luth .....
	WASHINGTON.					
370	Seattle.....	University of Washington.	Thomas M. Gatch, A. M., PH. D.	1861	1862	Non-sect .
371	Walla Walla.....	Whitman College.....	A. J. Anderson, A. M., PH. D.	1883	1882	Cong .....
	WEST VIRGINIA.					
372	Bethany.....	Bethany College .....	W. H. Woolery.....	1840	1841	Christian.
373	Flemington.....	West Virginia College.	Thomas E. Peden .....	1868	1868	F. W. Baptist.
374	Morgantown.....	West Virginia University.	Eli Marsh Turner, LL. D...	1867	1867	Non-sect .
	WISCONSIN.					
375	Appleton.....	Lawrence University.	Rev. Bradford P. Raymond, PH. D., D. D., LL. D.	1849	1849	M. E.....

\*Statistics of 1887-88.

arts for 1888-89.—PART I—Continued.

Professors and instructors.				Students.														
Number in preparatory department.	Number in collegiate department.	Number in other departments.	Total number.	Number in preparatory department.			Number in collegiate department.			Number of resident graduates.			Number in other departments.			Total number.		
				Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
....	4	1	5	75	29	104	24	10	34	0	0	0	0	7	7	99	46	145
0	13	0	13	.....	.....	.....	147	40	187	.....	.....	.....	.....	.....	.....	147	40	187
3	4	3	10	47	30	77	17	20	37	3	2	5	30	50	80	115	125	240
2	4	.....	6	75	0	75	100	0	100	.....	.....	.....	.....	.....	.....	175	0	175
4	8	3	15	102	55	157	168	70	238	0	0	0	0	13	13	270	138	408
1	3	1	5	25	27	52	47	40	87	0	0	0	0	0	0	72	67	139
.....	.....	.....	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	107	123	230
1	2	.....	3	45	32	77	17	11	28	2	1	3	.....	.....	.....	64	44	108
2	4	.....	6	26	0	26	43	0	43	.....	.....	.....	.....	.....	.....	69	0	69
.....	.....	.....	15	116	72	188	60	40	100	.....	.....	.....	.....	.....	.....	176	112	288
.....	.....	.....	24	100	92	192	205	175	380	.....	.....	.....	.....	.....	.....	305	267	572
.....	.....	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	183	129	312
0	15	0	15	0	0	0	112	20	132	1	0	1	.....	.....	.....	261	20	281
0	9	0	9	0	0	0	46	8	54	0	0	0	0	0	0	46	8	54
0	15	1	16	0	0	0	194	0	194	0	0	0	.....	.....	.....	194	0	194
.....	.....	.....	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	440	0	440
.....	.....	.....	9	26	0	26	92	0	92	0	0	0	0	0	0	118	0	118
1	6	0	7	.....	.....	.....	89	0	89	2	0	2	.....	.....	.....	91	0	91
.....	15	.....	15	0	0	0	140	0	140	.....	.....	.....	.....	.....	.....	140	0	140
0	9	1	10	0	0	0	153	0	153	1	0	1	.....	.....	.....	154	0	154
3	7	.....	10	28	0	28	95	0	95	.....	.....	.....	16	0	16	140	0	140
2	6	.....	8	50	52	102	23	18	41	.....	.....	.....	32	42	74	105	112	217
.....	.....	.....	11	12	7	19	62	62	124	.....	.....	.....	14	41	55	88	110	198
.....	8	2	10	.....	.....	.....	97	32	129	2	0	2	.....	.....	.....	99	32	131
.....	.....	.....	4	42	11	53	3	1	4	.....	.....	.....	.....	.....	.....	45	12	57
6	11	.....	17	79	0	79	102	0	102	.....	.....	.....	.....	.....	.....	181	0	181
.....	.....	.....	11	45	22	67	43	24	72	0	2	2	.....	.....	.....	190	94	284

a Includes students in all departments.

TABLE 7.—Statistics of colleges of liberal

	Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.
	1	2	3	4	5	6
	WISCONSIN—cont'd.					
376	Beloit.....	Beloit College .....	Rev. Edward D. Eaton, D. D., LL. D.	1846	1847	Cong ....
377	Galesville .....	Galesville University*	Rev. J. Erwin Smith, D. D.	1874	1859	Presb.....
378	Madison .....	University of Wis- consin.	Thomas Chrowder Cham- berlin, Ph. D., LL. D.	1848	1849	Non-sect .
379	Milton.....	Milton College.....	William C. Whitford, A. M., D. D.	1867	1867	7th day Bapt.
380	Racine.....	Racine College. ....	Rt. Rev. W. E. McLaren...	1852	1853	P. E. ....
381	Ripon.....	Ripon College .....	Rev. Edward Huntington Merrell, A. M., D. D.	1855	1854	Cong .....
382	St. Francis.....	Seminary of St. Fran- cis of Sales.	Very Rev. Joseph Rainer .	.....	1856	R. C. ....
383	Watertown .....	North-Western Uni- versity.	Rev. A. F. Ernst.....	1867	1865	Lutheran.
	WYOMING.					
384	Laramie .....	University of Wyo- ming.	John W. Hoyt, LL. D.....	1886	1887	Non-sect .

\* Statistics of 1887-88.





TABLE 7.—Statistics of colleges of liberal arts for 1888-89—PART II.

Name.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Number of years in college course.	Number of endowed profes-	Number of fellowships.	Number of State scholar-	Number of other scholar-	Annual charge to each pupil for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and build- ings.	Amount of productive funds.	Income from productive funds.	Amount of State or munic- ipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
<b>ALABAMA.</b>																	
1 Howard College .....	4	0	0	0	27	\$60	\$5	\$5	2,000	\$2,000	\$35,000	0	0	0	\$4,950	\$4,950	\$33,200
2 Southern University .....	4	0	0	0	0	50	5	5	14,000	*800	80,000	\$26,000	0	0	4,810	4,810	0
3 Spring Hill College .....	6	0	0	0	0	0	15	10	14,000	*800	*300,000	0	0	0	*30,000	*30,000	0
4 Selma University .....	4	0	0	0	0	8	8	8	7,030	20,000	25,000	300,000	\$24,000	0	1,145	3,145	0
5 University of Alabama .....	4	0	0	0	0	410	3	3	7,030	20,000	250,000	300,000	\$24,000	0	1,000	25,000	0
<b>ARKANSAS.</b>																	
6 Arkansas College .....	3	1	0	0	0	30-40	5	5	800	0	15,000	6,000	600	0	1,600	2,500	5,100
7 Crane Hill College .....	4	0	0	0	0	30	5	5	1,000	50	8,000	0	0	0	1,000	5,600	4,000
8 Little Rock University .....	3	0	0	0	0	14	5	5	800	40	20,000	0	0	0	692	692	0
9 Philander Smith College .....	4	0	0	0	0	9	5	5	800	40	20,000	0	0	0	692	692	0
<b>CALIFORNIA.</b>																	
10 College of St. Augustine .....	4	1	0	0	0	75-100	5	5	2,700	50	50,000	1,919,500	115,170	\$97,000	11,348	11,348	0
11 University of California .....	4	0	0	0	0	0	0	0	39,112	150,000	1,050,000	1,919,500	115,170	\$97,000	212,170	212,170	0
12 Pierce Christian College .....	4	0	0	0	0	50	5	5	800	800	12,000	12,000	720	0	3,500	4,220	720
13 University of the Pacific .....	4	1	0	5	5	30	5	10	8,000	10,000	150,000	60,000	3,500	0	15,000	15,000	0
14 St. Vincent's College .....	6	0	0	0	0	50	10	10	3,000	500	100,000	100,000	100,000	0	100,000	100,000	0
15 University of Southern California .....	4	0	0	0	0	45	5	5	800	10,000	200,000	200,000	10,000	0	200,000	20,000	1,325
16 Napa College .....	4	0	0	0	0	50	5	5	800	1,290	50,000	50,000	1,290	0	50,000	20,000	1,325
17 California College .....	4	1	0	2	2	60	10	10	2,000	200	200,000	200,000	200	0	200,000	20,000	1,325
18 St. Ignatius College .....	7	0	0	0	0	0	10	10	12,000	20,000	200,000	200,000	200	0	200,000	20,000	1,325
19 Santa Clara College .....	5	0	0	0	0	0	15	10	12,000	20,000	200,000	200,000	200	0	200,000	20,000	1,325
20 Pacific Methodist College .....	4	0	0	0	0	50-60	15	10	12,000	20,000	200,000	200,000	200	0	200,000	20,000	1,325
21 San Joaquin Valley College .....	4	0	0	0	0	42-60	15	10	12,000	20,000	200,000	200,000	200	0	200,000	20,000	1,325
22 Hesperian College .....	4	0	0	0	0	50	10	10	1,200	500	50,000	22,000	1,800	0	5,000	4,800	0

COLORADO.															
23	University of Colorado	4	0	0	0	0	10,500	16,000	80,000	50,000	7,850	32,187	343	40,580	200
24	Colorado College	4	0	4	0	0	7,500	3,700	350,000	25,000	1,900	---	3,750	13,500	32,000
25	Presbyterian College of the South-west.	4	---	---	---	36	500	1,500	25,000	---	---	---	---	---	500
26	University of Denver	4	0	0	0	100	1,500	5,000	553,023	142,000	19,235	0	22,621	41,856	100,000
CONNECTICUT.															
27	Trinity College	3	4	5	---	47	30,000	---	1,000,000	518,000	23,000	---	17,000	40,000	---
28	Wesleyan University	4	10	0	---	50	38,000	61,480	400,000	698,556	36,768	---	---	50,207	26,000
29	Yale University	4	---	3	---	125	140,000	---	---	---	---	---	---	---	---
DAKOTA.															
30	Pierre University	4	0	0	25	2	1,700	225	40,000	---	---	550	250	800	2,500
31	Fargo College	4	0	0	0	---	400	---	70,000	6,000	---	0	500	500	25,000
32	University of North Dakota	4	---	---	---	---	2,400	3,000	100,000	---	---	---	---	---	---
33	Dakota University	4	---	---	---	---	0	5	130	50,000	---	800	800	2,500	900
34	University of Dakota	4	0	0	0	0	2,000	4,000	130,000	---	---	40,000	---	41,000	---
35	Yankton College	4	---	---	---	---	3,527	15,000	40,000	20,000	320	0	3,158	9,420	9,420
DISTRICT OF COLUMBIA.															
36	Columbian University	4	0	---	---	8	7,000	---	500,000	250,000	11,456	29,584	---	41,040	---
37	Georgetown College	4	1	0	22	50	55,000	---	---	---	0	0	---	---	20,000
38	Gonzaga College	7	---	---	---	4	10	2,000	---	---	---	---	---	---	---
39	Howard University	4	---	---	---	0	12,311	1,000	500,000	180,000	13,500	24,500	---	48,200	500
40	National Deaf-Mute College	4	0	0	0	150	3,000	2,500	---	---	---	---	---	---	---
FLORIDA.															
41	John B. Stetson University	4	1	0	0	0	3,000	800	30,000	20,000	1,600	0	1,581	12,932	9,545
42	Florida Conference College	4	6	---	---	5-36	1	---	14,000	---	---	800	500	1,388	1,200
43	St. John's River Conference College	---	---	---	---	30	1	---	26,000	---	---	---	---	---	2,500
44	Rollins College	4	---	---	---	24-49	2,600	850	39,056	---	---	---	1,372	6,440	5,068
GEORGIA.															
45	University of Georgia	---	1	---	---	0	16,000	75,000	168,000	445,000	30,000	---	0	30,000	---
46	Atlanta University	4	0	0	0	---	7,000	5,000	160,000	29,870	1,771	---	2,228	19,326	11,403
47	Clark University	4	---	---	---	8-16	1,500	5	250,000	---	---	0	2,500	13,000	---
48	Bowdon College	4	0	0	0	11-16	1,000	500	5,000	0	0	0	425	425	---
49	Morcor University	4	---	---	---	0	15,000	4,000	120,000	180,000	13,000	0	3,000	18,000	7,000
50	Emory College	4	3	0	0	50-60	6,000	5,000	100,000	95,000	4,500	0	8,300	12,800	29,000

\* Statistics of 1887-88.  
 b Also tuition to two day scholars from Gonzaga College, and to two scholars from each Catholic parish in Washington.  
 c Free to residents of the State.



TABLE 7.—Statistics of colleges of liberal arts for 1888-89.—PART II—Continued.

Name.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Number of years in college course.	Number of endowed professors.	Number of fellowships.	Number of State scholarships.	Number of other scholarships.	Annual charge to each pupil for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
<b>ILLINOIS.</b>																	
51 Hedding College.....	4	0	0	0	0	\$36		\$5	1,500	\$2,800	\$60,000	\$5,000		0	\$1,800	\$3,000	
52 Illinois Wesleyan University.....	4	a2				30			3,000		124,000	70,257	\$4,500		14,443	18,943	\$2,000
53 St. Viator's College.....	7																
54 Carthage College.....	4					32		5	5,000	500	36,000	18,000	1,200	0	2,000	4,000	500
55 St. Ignatius College.....	4	0	0	0	0	40	\$5	10	15,000		85,000					16,757	11,827
56 Evangelical Protestant.....	4	0	0	0	0	40	0	0	6,000	150	65,000				4,960	9,900	16,000
57 Eureka College.....	4	1	0	0	0	39	0	0	4,000	3,000	65,000	60,000	3,400	0	6,500	64,777	
58 Northwestern University.....	4	5			368	69			30,370	34,000	523,000	1,168,400				2,050	0
59 Ewing College.....	4	0	0	0	0	30	10	5	1,000	100	8,000	5,000	250		1,800		
60 Northern Illinois College.....	4					32	8	5	1,000	500	110,000	8,000		0		3,000	
61 German-English College.....	4	0	0	0	10	28			2,600	100	10,000		540		1,600		
62 Knox College.....	4	1				45			7,000	5,200	156,700	204,181	14,967		11,176	26,515	50,000
63 Lombard University.....	4	3			16	33			6,000	3,000	40,000	116,000	8,000	0	989	9,834	1,000
64 Illinois College.....	4	8			9	45	0	5	14,000	5,000	125,000	180,000	9,000		6,000	15,000	40,000
65 Lake Forest University.....	4	0			12	47		10	14,000		425,000	803,000	12,000		55,000	67,000	510,000
66 McKendree College.....	4	0	0	0	0	30			8,600	3,300	23,000	25,000	1,600		2,287	3,887	566
67 Lincoln University.....	4	0	0	0		15	10	5	2,000	700	30,000	31,725	2,879	0	178	4,758	
68 Monmouth College.....	4	1				40	5		3,000	1,000	56,000	103,000	8,000		8,150	16,150	
69 Northwestern College.....	4					12-18			2,500	1,000	190,000				3,000	5,000	500
70 Chaddock College.....	6					30		10	3,000	4,000	60,000						
71 St. Francis Solanus College.....	4	0	0	0	0	36	5	5	12,500	5,000	204,000	18,000	3,000	0	6,500	15,000	9,000
72 Augustana College.....	5	0	0	0	0	20	5	10	3,000	200	50,000			0		22,000	
73 St. Joseph's Diocesan College.....	5	3			26	30-50			8,000	2,000	53,500	79,620	5,508		4,586	10,154	4,283
74 Shurtleff College.....	4	a1	0	0	0	15	0	5	2,741	700	24,000	9,000		0	1,725	3,321	8,370
75 Westfield College.....	4								2,500	800	80,000	41,000	2,170		4,371	6,551	6,638
76 Wheaton College.....	4	a3				30		3	2,500								

## INDIANA.

77	Indiana University.....	4	0	0	80	50	0	0	5	10,000	4,000	200,000	340,000	16,337	23,000	4,875	45,018	0
78	Wabash College.....	4	3	14	38	40	72	0	5	28,500	40,000	175,000	240,000	11,300	0	5,323	16,635	0
79	Concordia College.....	6	0	0	0	0	0	0	0	0	0	100,000	0	0	0	120	120	0
80	Franklin College.....	4	1	0	0	24	0	0	5	6,000	500	60,000	114,000	7,000	0	4,000	11,000	10,000
81	De Pauw University.....	4	0	0	0	0	0	0	0	15,000	15,000	250,000	1,000,000	0	0	0	0	7,500
82	Hauver College.....	4	1	0	0	0	0	0	5	1,300	300	20,000	12,000	700	0	700	1,500	5,000
83	Hartsville College.....	4	3	0	0	0	27	0	5	6,000	2,500	85,000	175,000	10,500	0	3,000	14,000	0
84	Butler University.....	4	0	0	0	0	24	0	3	1,600	1,100	75,000	96,000	4,000	0	1,830	6,720	0
85	Union Christian College.....	4	0	0	0	0	32	0	5	1,500	1,000	15,000	20,000	800	0	3,250	4,050	250
86	Moore's Hill College.....	4	0	0	0	0	0	0	5	31,200	*35,000	*800,000	75,000	4,613	0	11,000	20,643	35,000
87	University of Notre Dame.....	4	0	0	0	0	65	0	10	6,000	3,500	150,000	15,000	1,000	0	0	1,400	100
88	Earham College.....	4	0	0	0	0	8	0	4,5	8,000	0	25,000	0	0	0	0	0	0
89	Ridgeville College.....	4	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0
90	St. Meinrad's College.....	6	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0

## IOWA.

91	Coe College.....	4	0	0	0	0	37	5	5	4,000	500	60,000	70,000	5,000	0	2,004	7,054	0
92	Amity College.....	4	0	0	0	0	6-8	0	5	2,000	500	40,000	40,000	3,000	0	2,500	5,500	9,500
93	Griswold College.....	4	2	0	0	2	0	0	0	10,000	0	200,000	80,000	6,000	0	0	43,500	53,400
94	Luther College.....	4	0	0	0	0	20	10	0	4,900	0	40,000	6,227	5,000	0	501	17,000	500
95	Drake University.....	4	2	0	0	0	36	0	5	2,000	3,000	70,000	80,000	5,000	0	12,000	17,000	500
96	Des Moines College.....	4	0	0	0	0	30	0	5	2,000	50	60,000	3,000	300	0	1,300	5,338	2,758
97	Parsons College.....	4	4	10	38	0	28	0	5	3,000	1,500	65,000	45,000	3,000	0	4,000	9,500	10,000
98	Upper Iowa University.....	4	2	0	0	0	31	0	5	13,637	2,500	16,000	16,000	700	0	10,000	17,000	10,000
99	Iowa College.....	4	0	0	0	0	30	2	5	1,651	2,500	14,000	10,194	750	0	8,500	22,000	14,000
100	Lenox College.....	5-6	0	0	0	0	36	0	2	2,000	2,000	30,000	30,000	2,400	0	2,500	3,250	350
101	Simpson College.....	4	2	0	0	0	25-50	0	0	50,000	50,000	60,000	226,893	14,934	54,000	22,386	6,800	15,000
102	State University of Iowa.....	4	0	0	0	0	27	0	0	17,584	0	300,000	22,000	15,000	0	1,400	91,380	0
103	German College.....	4	5	0	0	0	36	0	5	2,000	1,800	80,000	65,000	4,500	0	4,200	10,200	16,000
104	Iowa Wesleyan University.....	4	4	0	0	100	11-12	6	5	8,500	1,500	156,000	65,000	4,000	0	20,000	30,000	14,000
105	Cornell College.....	4	4	0	0	0	30	0	4	4,000	4,000	35,000	11,000	500	0	2,200	5,000	5,000
106	Oskaloosa College.....	4	4	0	0	0	34	0	5	2,500	1,000	30,000	30,000	1,500	0	4,000	7,000	30,000
107	Penn College.....	4	4	0	0	50	20	5	0	1,500	0	10,000	20,000	1,500	0	700	3,000	500
108	Central University of Iowa.....	4	0	0	0	0	8-10	0	5	5,000	2,214	54,805	54,222	2,200	0	3,700	27,014	20,080
109	Taber College.....	4	1	0	0	32	28	0	5	3,000	1,000	75,000	65,000	2,500	0	6,011	8,989	9,550
110	Western College.....	4	0	0	0	0	0	0	0	1,500	1,400	17,000	0	0	0	0	0	0
111	Waverly College.....	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## KANSAS.

112	Midland College.....	4	0	0	0	0	30-40	0	5	7,200	500	50,000	0	0	0	2,000	2,000	0
113	St. Benedict's College.....	6	0	0	0	1	40	0	5	3,200	2,000	100,000	10,000	700	0	6,000	9,000	0
114	Baker University.....	4	1	0	0	1	29	0	5	4,000	500	98,000	25,000	1,750	0	1,200	8,500	7,000
115	College of Emporia.....	4	1	0	0	0	6-10	0	5	5,000	1,000	16,000	21,000	1,302	0	1,725	3,931	60
116	Highland University.....	4	1	0	0	0	25	0	0	1,000	1,500	50,000	0	0	0	0	0	0
117	Campbell University.....	4	0	0	0	0	40	0	0	10,222	125,000	300,000	170,000	8,000	75,000	0	83,000	0
118	University of Kansas.....	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Partially. <sup>b</sup> Incidental fee.

<sup>c</sup> Statistics of 1887-88.

TABLE 7.—Statistics of colleges of liberal arts for 1888-89.—PART II—Continued.

Name.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Number of years in college course.	Number of endowed professors.	Number of fellowships.	Number of State scholars.	Number of other scholars.	Annual charge to each pupil for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
KANSAS—continued.																	
119 Lane University.....	4	0	0	0	0	\$24	0	\$5	1,000		\$70,000	\$15,000	\$900		\$2,500	\$4,000	\$15,000
120 Bethany College.....	4	0	0	0	0	30	\$1-3	5	3,261	\$500	120,000	0	0	0	5,650	6,110	35,000
121 Ottawa University.....	4	0	0	0	0	30	0	0	1,100	300	30,000	50,000	4,000	0	2,203	7,500	2,700
122 St. Mary's College.....	4	0	0	0	0	30	0	10	8,000	2,000	66,000	0	0	0	7,100	7,100	0
123 Kansas Wesleyan University.....	4	0	0	0	0	30	10	5	1,500	150	50,000	35,000	3,500	0	3,000	6,500	0
124 Cooper Memorial College.....	3, 4	0	0	0	0	30			1,400		40,000	7,500	200	0	550	1,000	4,000
125 Washburn College.....	4	4	0	0	0	20	0	5	6,000	5,000	310,000	100,000	7,000	0	5,000	12,000	21,000
126 Garfield University.....	4					40			1,000	2,500	400,000				3,727	3,727	
KENTUCKY.																	
127 Berea College.....	4	0	0	0	73	6-9	0	0	4,000	600	110,000	100,000	5,803	0	1,315	7,181	10,000
128 Ogden College.....	4	1	0	0	0	30	10	5	1,500	250	50,000	125,000	7,500	0	900	8,400	0
129 Centre College.....	4	0	0	0	25	40	5	5	5,830	2,000	70,000	246,839	11,500	0	3,893	15,393	53,773
130 Eminence College.....	4	0	0	0	0	40	2	10	2,000	2,000							
131 Kentucky Military Institute.....	4	0	0	11		75			2,000	2,000	20,000	0	0				0
132 Georgetown College.....	4	1	0	0	0	50		5	8,000		50,000	150,000	0	0			40,000
133 South Kentucky College.....	4	0	0	0	0	40	23		300	300	30,000					6,600	
134 Kentucky University.....	5	0	0	0	0	20	10	5	13,624	3,000	123,250	207,508	14,767	0	1,967	17,052	0
135 Kentucky Wesleyan College.....	4					30		10	2,000	2,000	22,000	32,000					
Murray Male and Female Institute and West Kentucky Normal School.....						15-40	0		100	50	16,000			\$1,100	1,400	2,500	
137 Kentucky Classical and Business College.....	4					35		10	300	50	10,000				2,000	2,500	
138 Central University.....	4	5			33	60	5	5	6,000	3,000	100,000	175,000	8,000		5,000	13,000	50,000
139 Bethel College.....	3, 4	3			15	50	5	5	3,000	1,500	150,000	54,000	3,700		5,000	8,700	
140 St. Mary's College.....	5	0	0	0	0	40		10	3,000		50,000				3,000	3,000	0



## LOUISIANA.

141	Louisiana State University and Agricultural and Mechanical College.	4	0	0	10	0	0	18,832	10,000	300,000	318,313	14,556	10,000	0	239,556	0
142	Jefferson College (St. Mary's)					10		10,000					0			
143	St. Charles College.	4	0	0	0	40-60	5	10	2,500	80,000	35,000	1,500	0	2,000	3,500	2,500
144	Centenary College of Louisiana	4	0	0	0	50	3	150	250	25,000	0	0	0	1,700	4,000	0
145	Keochite College.	4	0	0	0			19,000								
146	College of the Immaculate Conception.*	4														

147	Iceland University.	4				50		1,000	1,000	150,000	100,000	6,000		1,000	7,000	
148	New Orleans University.	4	0	0	0			4,000	3,000	75,000	0	0	0	0	7,500	0
149	Southern University.	4	0	0	0		0	300	400	35,197	0	0	7,500	0	7,500	0
150	Straight University.	4	0			8		2,000	1,000	75,000	2,500	150		2,000	2,700	13,000
151	Tulane University of Louisiana.	4			118	80		50,000	80,000	220,000	1,102,217	60,000	0	20,000	80,000	
152	Thatcher Institute*.	4						250		12,000						

## MAINE.

153	Bowdoin College.	4	6	0	55	75		43,000	*50,000	*250,000	420,000	19,101	0	20,979	40,080	21,000
154	Bates College.	4			35	36		11,126	10,000	150,000	200,000	14,000		4,400	18,400	60,000
155	Colby University.	4	2	0	70	45	5	25,000		250,000	563,767	23,066	0	4,724	30,366	15,000

## MARYLAND.

156	St. John's College.	4	0	0	26	15	75	6,000	2,000	100,000	0	0	64,100	7,500	12,000	0
157	Johns Hopkins University.	3	2	20	67	125	5	35,000	d167,104	682,000	3,000,000	74,902	0	38,800	113,702	100,000
158	Loyola College.	7			6	75		1,500	7,000	40,000	6,000	300	0	4,000	4,500	1,300
159	Rock Hill College.	4				60		4,500	1,000	41,920			0	6,000	6,000	0
160	St. Charles's College.	4						10,130					0			660
161	Mount St. Mary's College.	4	0	0	0			10,000	8,000	150,000	0	0	0	45,000	45,000	
162	New Windsor College and Windsor Female College.	4				45	4			60,000						
163	Western Maryland College.	4			26	13	45	3,500	1,000	60,000			6,500		6,500	8,000

## MASSACHUSETTS.

164	Amherst College.	4	8	1	3	100	110	51,000	100,000	400,000	1,000,000	*46,804	0	*31,978	*78,752	
165	Boston College.	7	0	0	0	60	0	12,000	5,000	400,000	0	0	0	10,000	10,000	1,000
166	Union College.	4	1	2	107	100		6,000		338,000	708,988	95,916		31,607	127,523	90,337
167	Harvard University.	4	13	17	120	150		239,506	750,000	3,000,000	6,705,046	332,102		282,433	722,410	298,837
168	Tufts College.	4	3	0	29	100		26,000	50,000	500,000	773,552	39,527		7,020	46,547	5,000
169	Williams College.	4	17		3	60	105	26,300	10,000	400,000	720,000	40,000	0	28,000	70,000	150,000
170	College of the Holy Cross.	4	0	0	1	60	0	15,000								1,000

## MICHIGAN.

171	Adrian College.		1				28	5,000		150,000	80,000	15,000		10,500	25,500	
172	Albion College.	4	5			15	5	6,553	8,000	100,000	200,000					

\*Statistics of 1887-88.

a Includes \$15,000 for agricultural experiment station.

d Includes value of library, \$73,851.

b The State also appropriated \$5,200 for free board.

TABLE 7.—Statistics of colleges of liberal arts for 1888-89.—PART II—Continued.

Name.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	Number of years in college course.	Number of endowed professors.	Number of fellowships.	Number of State scholarships.	Number of other scholarships.	Annual charge to each pupil for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
<b>MICHIGAN—continued.</b>																	
173 University of Michigan .....	4	0	1	0	0	\$20-35	.....	.....	55,538	\$150,000	\$740,000	\$544,152	\$38,000	\$156,272	\$30,000	\$274,272	\$10,000
174 Battle Creek College.....	4	.....	.....	.....	.....	35	.....	.....	1,350	1,000	93,375	.....	.....	.....	4,375	9,895	719
175 Grand Traverse College.....	.....	.....	.....	.....	.....	12	.....	.....	700	100	10,000	40,000	1,700	.....	.....	1,700	.....
176 Detroit College.....	4	0	0	0	0	40	.....	.....	6,000	2,500	95,000	0	.....	0	6,788	6,863	.....
177 Hillsdale College.....	4	2	0	0	0	.....	\$3	\$5	7,083	12,500	80,000	165,000	10,912	.....	39	13,147	8,021
178 Hope College.....	4	0	0	0	2	15	.....	5	7,925	1,000	40,000	87,000	4,557	.....	1,788	7,501	10,000
179 Kalamazoo College.....	4	3	0	0	.....	.....	5	5	3,810	1,100	118,000	103,000	7,358	.....	3,163	14,950	.....
180 Olivet College.....	4	4	0	0	.....	24-30	.....	5	16,000	35,000	108,000	166,500	9,127	.....	4,782	13,910	20,124
<b>MINNESOTA.</b>																	
181 St. John's University *.....	.....	0	0	0	0	.....	.....	5	12,000	.....	.....	.....	.....	.....	.....	.....	.....
182 Hamline University.....	4	.....	.....	.....	.....	30-36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
183 Macalester College.....	4	3	0	0	2	40-55	5	10	6,000	1,452	175,035	80,000	9,709	0	550	10,259	30,000
184 Augsburg Seminary.....	.....	.....	.....	.....	.....	15	.....	.....	1,000	.....	100,000	50,000	2,600	.....	1,500	5,000	.....
185 University of Minnesota.....	4	0	2	0	0	.....	.....	.....	22,000	80,000	1,600,000	850,000	37,000	35,000	8,100	295,100	150,000
186 Dr. Martin Luther College.....	4	0	.....	.....	.....	34	0	0	.....	200	30,000	0	.....	.....	600	600	.....
187 Carlton College.....	4	.....	.....	.....	.....	24	.....	5	3,000	20,293	193,324	308,534	19,324	0	9,504	32,495	8,994
188 St. Olaf College.....	4	.....	.....	.....	.....	50	.....	.....	600	500	35,000	.....	.....	.....	2,100	6,000	.....
<b>MISSISSIPPI.</b>																	
189 Mississippi College.....	.....	0	0	0	0	3-6	0	10	2,500	500	50,000	5,000	610	0	5,400	9,000	2,750
190 Rust University.....	4	.....	.....	.....	.....	9	.....	.....	3	200	70,000	.....	.....	.....	1,872	2,600	.....
191 Kavanaugh College.....	4	0	0	0	0	20	1	5	650	.....	3,000	.....	.....	340	2,200	2,540	.....
192 University of Mississippi.....	4	0	1	.....	4	0	.....	.....	13,000	50,000	300,000	544,061	32,644	.....	850	35,104	.....

MISSOURI.														
193	Avalon College	4	4	0	0	26	30	1,000	300	20,000	10,000	500	1,600	2,100
194	Southwest Baptist College	4-5	5	5	5	21-36	30	5,000	300	25,000	.....	.....	2,700	3,000
195	Pike County College	4	61	3	10	40	3	1,000	200	5,000	7,704	484	20,000	24,500
196	Christian University	4	0	0	5	36	.....	18,450	50,000	300,000	534,000	28,000	11,000	78,382
197	St. Vincent's College	4	0	0	10	40	3	12,000	10,000	100,000	45,000	4,500	32,650	433
198	University of the State of Missouri	4	0	0	5	20-40	.....	5,600	100	15,000	1,700	188	2,000	2,186
199	Grand River College	4	0	0	5	36	.....	4,500	100	100,000	110,000	8,800	3,000	11,800
200	Central College	4	2	1	5	25	.....	6,000	3,000	35,000	78,000	4,900	2,000	8,500
201	Westminster College	4	6	0	5	40	.....	4,000	1,200	30,000	56,000	3,800	2,050	8,580
202	Pritchett School Institute	3	2	0	4	20-50	.....	1,800	.....	.....	.....	.....	.....	.....
203	La Grange College*	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
204	William Jewell College	4	4	0	5	40	.....	4,000	500	50,000	175,000	10,000	2,300	13,000
205	Morrisville College	4	0	0	2	25	.....	600	500	10,000	.....	.....	3,200	3,400
206	Scarratt Collegiate Institute	4	0	0	10	20-40	.....	800	200	25,000	.....	.....	3,000	3,000
207	College of the Christian Brothers	4	0	0	10	60	0	10,000	5,000	600,000	0	0	.....	150
208	St. Louis University	4	0	0	10	60	.....	32,000	.....	500,000	.....	.....	.....	.....
209	Washington University	4	0	0	3	100	.....	6,000	95,000	625,000	625,000	4,500	4,700	18,000
210	Drury College	4	2	10	5	30-48	.....	18,600	2,000	250,000	75,000	1,600	.....	8,000
211	Tarkio College	3,4	.....	30	2	30	.....	32,450	300	35,000	30,000	1,600	.....	16,000
212	Central Wesleyan College	4	2	.....	7-12	.....	.....	3,700	3,500	43,000	45,000	3,150	5,280	8,530
MONTANA.														
213	College of Montana	4	0	0	0	3	50	1,000	1,500	100,000	10,000	700	5,000	10,000
NEBRASKA.														
214	Bellevue College	4	.....	.....	30	.....	.....	100	300	100,000	14,000	1,000	.....	4,500
215	Nebraska Central College*	4	.....	100	21	.....	.....	300	30	100,000	85,000	1,000	1,200	2,500
216	Doane College	4	3	3	20	.....	5	4,200	4,500	80,000	37,000	3,000	3,000	8,000
217	Nebraska Wesleyan University	4	3	.....	14	.....	.....	1,200	1,000	225,000	100,000	.....	.....	12,000
218	University of Nebraska	4	0	0	0	.....	.....	11,400	65,000	425,000	652,000	30,000	87,500	117,500
219	Gates College	4	1	0	0	20	0	5,000	500	20,000	15,000	1,200	1,024	6,000
220	Croighton College	4	0	0	0	0	.....	5,600	*15,000	*200,000	*105,000	*12,000	0	*12,000
NEVADA.														
221	State University of Nevada	.....	0	0	0	0	0	1,100	2,000	35,000	125,000	5,000	24,000	0
NEW HAMPSHIRE.														
222	Dartmouth College	4	*11	.....	*138	90	.....	68,000	*100,000	*200,000	*850,000	*43,000	0	*17,000
NEW JERSEY.														
223	St. Benedict's College	5	0	0	10	60	.....	3,000	500	25,000	0	0	4,000	2,000
224	Rutgers College	4	.....	.....	75	.....	.....	25,000	50,000	400,000	.....	32,400	4,539	4,000
225	College of New Jersey	4	12	77	100-125	.....	.....	133,800	.....	.....	.....	.....	.....	131,950
226	College of the Sacred Heart*	4	.....	.....	.....	.....	.....	2,000	.....	70,000	.....	.....	.....	.....
* Statistics of 1887-88.														
a Includes \$15,000 for agricultural experiment station.														
b Partially.														

<sup>a</sup> Includes \$15,000 for agricultural experiment station.

<sup>b</sup> Partially.

\* Statistics of 1887-88.





249	Biddle University	4	4	0	0	0	7	60	5	9,000	10,000	*75,000	*8,000	7,000	0	5,000	12,000	.....
250	Davidson College	4	4	0	0	0	0	30-40	5	1,100	800	100,000	108,000	250	0	1,500	1,500	.....
251	North Carolina College	4	4	0	0	0	0	8	5	3,000	5,000	130,000	18,000	0	0	1,500	10,850	1,500
252	Shaw University*	4	4	0	0	0	0	0	5,000	5,000	2,000	0	0	0	0	1,500	1,500	0
253	Rutherford College	4	4	0	0	0	1	20-40	1,000	1,000	100,000	100,000	36,000	6,700	0	2,000	7,500	3,500
254	Livingstone College	4	4	1	0	0	2	50	5	9,100	500	40,000	40,000	2,500	0	2,000	9,000	20,000
255	Trinity College	4	4	0	0	0	11	60	5	10,000	5,000	60,000	170,000	11,000	0	6,000	17,000	2,000
256	Wako Forest College	4	4	0	0	0	0	30	5	113	0	10,000	0	0	0	1,500	1,500	0
257	Weaverville College*	4	4	0	0	0	0	30	1	5	0	0	0	0	0	0	0	0
OHIO.																		
258	Buchtel College	4	4	4	4	50	40	1	5	4,714	10,551	207,975	207,975	7,500	0	1,500	2,200	4,000
259	Mount Union College	4	4	4	4	30	0	7	3,200	200	45,000	45,000	45,000	7,500	5,000	2,800	17,000	0
260	Ashland University	6	6	0	0	0	0	3-5	5	8,000	6,000	200,000	200,000	7,500	0	1,500	7,500	4,000
261	Ohio University	4	4	0	0	88	0	33	21	5	2,000	75,000	148,000	148,000	4,400	0	7,500	30,000
262	Baldwin University*	4	4	4	5	0	0	16	0	5	59,000	59,000	66,000	4,500	0	7,500	12,000	0
263	German Wallace College	4	4	0	0	0	0	10-15	1,300	45,000	45,000	45,000	45,000	4,500	0	7,500	12,000	0
264	St. Joseph's College	7	7	0	0	0	0	60	0	16,000	7,000	100,000	0	0	0	15,000	15,000	0
265	St. Xavier College	6	6	0	0	0	0	0	0	6,000	6,000	100,000	600,000	30,000	13,000	600	55,000	0
266	University of Cincinnati	4	4	0	0	0	0	0	5	24,000	21,000	275,000	638,000	36,000	0	2,100	38,100	13,000
267	Adelphi College of Western Reserve University.	4	4	4	4	60	30	5	5	24,000	21,000	275,000	638,000	36,000	0	1,000	1,000	2,000
268	Calvin College	4	4	4	4	30	2	3	2,000	18,000	18,000	60,000	60,000	4,200	0	1,200	5,400	0
269	Belmont College	4	4	4	4	30	10	5	3,000	80,000	80,000	80,000	80,000	4,200	0	2,300	2,300	0
270	Capital University	4	4	4	4	15	5	5	9,400	50,000	50,000	800,000	800,000	14,884	0	6,638	74,145	0
271	Ohio State University	4	4	6	0	0	500	5	5	14,000	250,766	267,160	267,160	14,884	0	9,388	43,869	1,567
272	Ohio Wesleyan University	4	4	0	0	0	1	30	3	5	350	100,000	32,575	1,719	0	4,132	7,146	0
273	Findlay College	4	4	8	0	0	0	75	5	5	20,000	278,000	260,000	14,378	0	1,862	16,240	0
274	Kenyon College	4	4	0	0	0	0	32	30	5	400	30,000	30,000	308,000	16,400	0	2,000	2,000
275	Twin Valley College	4	4	0	0	0	60	39	5	14,000	5,000	50,000	50,000	16,400	0	3,765	21,940	2,240
276	Denison University	4	4	1	0	0	0	30	0	5	5,000	7,000	90,000	90,000	4,058	0	4,300	8,358
277	Hiram College	4	4	3	0	0	39	45	0	5	42,500	1,200	14,000	14,000	2,450	0	1,500	1,500
278	Marietta College	4	4	4	0	0	0	40	0	3,5	15,000	15,000	35,000	29,463	0	46,703	48,880	76,255
279	Franklin College	4	4	4	0	0	30	1-3	5	27,030	100,000	400,000	399,831	20,463	0	2,250	18,000	5,000
280	Muskingum College	4	4	4	4	125	30	45	0	5	13,000	150,000	200,000	12,000	3,000	3,500	3,500	0
281	Oberlin College	4	4	2	0	0	0	0	5	10,000	41,000	60,000	60,000	3,000	0	950	4,500	0
282	Miami University	4	4	4	4	39	0	24	0	5	3,000	30,000	30,000	3,000	0	5,000	5,000	0
283	Richmond College	4	4	0	0	0	0	24	0	5	400	40,000	40,000	7,000	0	1,500	8,500	21,000
284	Rio Grande College	4	4	0	0	0	0	24	0	5	1,000	100,000	100,000	110,000	7,000	0	1,500	8,500
285	Seto College	4	4	2	0	0	0	24	0	5	6,000	100,000	100,000	110,000	7,000	0	1,500	8,500
286	Heidelberg College	4	4	0	0	0	5	25	0	5	2,000	52,000	52,000	76,963	5,000	2,638	29,042	2,000
287	Urban University	4	4	0	0	0	0	24	0	5	4,000	3,000	15,000	15,000	953	4,000	1,560	650
288	Wilberforce University	4	4	0	0	0	2	10-25	0	4,200	5,000	25,000	30,000	1,500	0	1,500	4,500	350
289	Wilmington College	4	4	0	0	0	0	39	0	5	2,000	25,000	30,000	11,413	0	15,194	31,009	0
290	University of Wooster	4	4	6	0	0	42	15-45	5	11,250	4,000	120,000	201,000	11,413	0	15,194	31,009	0
291	Antioch College	4	4	6	0	0	0	30	5	6,000	4,000	120,000	201,000	11,413	0	15,194	31,009	0
292	Antioch College	4	4	6	0	0	0	30	5	6,000	4,000	120,000	201,000	11,413	0	15,194	31,009	0

\* In addition, over \$7,000 of outstanding notes collected.

\* Statistics of 1887-88.

TABLE 7.—Statistics of colleges of liberal arts for 1888-89.—PART II—Continued.

Name.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	Benefactions.
	Number of years in college course.	Number of endowed professors.	Number of fellowships.	Number of State scholars.	Number of other scholars.	Annual charge to each pupil for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.		
OREGON.																		
293 University of Oregon .....	4	0				\$50			3,000	\$15,000		\$130,000	\$9,400	\$14,000	\$2,600	\$23,000		0
294 Pacific University and Tualatin Academy* .....	3-4	1				20-45		\$5	6,200	1,000	\$30,000	90,000	8,000		2,450	10,500		
295 McMinnville College .....	4	0	0	0	0	40		5	600	100	30,000	14,000	1,400	0	975	2,900		\$6,400
296 Willamette University .....	4	2			20	44, 52			3,162	5,000	80,000	50,000	3,000		8,000	12,500		9,000
PENNSYLVANIA.																		
297 Western University of Pennsylvania .....	4	2	0	0	0	80	0	5	4,500	5,000	50,000	325,000	16,753		11,885	28,638		3,500
298 Muhlenberg College .....	4	4			30	50			8,500	1,000	80,000	131,000	7,500		2,500	13,000		18,000
299 Lebanon Valley College .....	4	4				40	\$1	5	3,800	1,000	50,000	4,700	261		5,371	5,849		190
300 St. Vincent's College .....	4	4					5	7	26,000									
301 Geneva College .....	4	4				39		5	30,000	1,200	75,000	100,000	6,500		2,700	9,200		
302 Dickinson College .....	4	4						5	30,000	25,000	100,000	276,911	14,900		262	20,753		
303 Pennsylvania Military Academy .....	4	0						10	100,000		100,000							
304 Ursinus College .....	4	0	0	8	8	48		6	3,231		31,000							7,000
305 Lafayette College .....	4	5	0	0	0	45-75	10	0	22,000	50,000	600,000	272,363	15,995	0	7,335	26,554		11,114
306 Pennsylvania College .....	4	5			40	50	0	5	20,424		200,000	140,000	7,000		7,000	15,000		18,000
307 Thiel College .....	4	2	0	0	40	30	0	5	6,000		60,000					6,000		0
308 Grove City College .....	4	4				150			2,000	2,000	50,000				10,000	10,000		5,000
309 Haverford College .....	4	2	4	0	20	39	0	10	18,500	10,000	200,000	215,000	10,500	0	12,500	25,000		13,000
310 Franklin and Marshall College .....	4	4							25,000	47,500	130,000	230,000	14,000	0		14,000		25,000
311 Brecknell University .....	4	8	0	0	20	50	5	5	11,000	3,000	200,000	278,000	14,000	0	14,000	28,000		5,000
312 St. Francis College .....	4	4							5,000		60,000					5,000		0
313 Allegheny College .....	4	4							15,000	5,000	70,000	150,000	8,000	0	1,918	14,000		300
314 Central Pennsylvania College .....	4	4				82-18		5	3,000	600	22,000	150	15		3,500	12,000		12,000
315 Westminster College .....	4					24	5	0				124,000	5,000	0				



316	La Salle College.....	4	7	0	0	0	0	80	10	8,000	2,000	100,000	0	0	1,469,930	78,463	0	0	16,000	16,000	0	146,317	224,780	120,789
317	St. Joseph's College.....	4	4	1	46	150	0	0	0	5,000	261,500	2,121,000	0	0	0	0	0	0	0	0	9,000	9,000	0	
318	University of Pennsylvania.....	4	0	0	0	20	0	5	5,10	63,800	2,000	130,000	0	0	400,000	20,000	0	0	65,000	85,000	185,000	0	0	
319	Holy Ghost College.....	4	4	0	0	60	0	0	0	5,000	25,000	500,000	0	0	250,000	15,000	0	0	21,000	21,000	4,800	0	0	
320	Swarthmore College.....	4	4	0	0	10	0	0	0	5,000	5,000	150,000	0	0	0	0	0	0	0	0	0	0	0	
321	Villanova College.....	4	4	0	0	24	4-8	6	6	10,500	0	0	0	0	0	0	0	0	0	0	0	0	0	
322	Washington and Jefferson College.....	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RHODE ISLAND.																								
323	Brown University.....	4	2	0	100	100	5	0	0	70,000	0	*625,000	0	0	980,836	50,777	0	0	23,274	74,379	100,098	0	0	
SOUTH CAROLINA.																								
324	College of Charleston.....	4	4	0	0	7	0	40	0	0	2,000	20,000	0	0	249,400	10,000	0	0	400	10,400	0	0	0	
325	Presbyterian College of South Carolina.....	4	4	0	0	40	2	40	5	0	0	10,000	0	0	0	0	0	0	1,338	1,781	0	0	0	
326	Allen University.....	4	4	0	0	0	0	6	0	200	115,000	1,500	0	0	191,000	5,754	0	0	450	5,000	0	0	0	
327	University of South Carolina.....	4	4	0	2	6	0	50	0	28,000	0	315,000	0	0	65,900	4,500	0	0	7,000	50,254	2,000	0	0	
328	Erskine College.....	4	4	0	0	0	0	10	5	2,000	0	30,000	0	0	65,900	4,500	0	0	0	4,500	8,000	0	0	
329	Furman University.....	4	4	0	0	0	0	60	5	500	8,000	50,000	0	0	40,000	3,600	0	0	4,000	8,000	0	0	0	
330	Newberry College.....	4	4	0	0	0	0	50	5	7,500	0	30,000	0	0	32,000	1,900	0	0	2,600	4,500	600	0	0	
331	Wofford College.....	4	4	0	0	0	0	40	10	6,000	0	80,000	0	0	60,000	0	0	0	0	0	0	0	0	
TENNESSEE.																								
332	Grant Memorial University.....	4	4	2	0	0	0	0	0	0	3,500	75,000	0	0	20,000	1,200	0	0	3,500	10,000	100,000	0	0	
333	King College.....	4	4	0	0	0	0	36-50	2	800	0	25,000	0	0	22,000	0	0	0	0	1,200	0	0	0	
334	Chattanooga University.....	4	4	0	0	0	0	30	0	0	0	200,000	0	0	0	0	0	0	0	0	0	0	0	
335	Hwassee College.....	4	4	0	0	0	0	30	4	2,700	1,000	50,000	0	0	45,000	2,600	0	0	1,992	1,992	700	0	0	
336	Southwestern Baptist University.....	4	4	0	0	0	0	50	3	3,000	0	50,000	0	0	420,000	24,500	0	0	5,000	7,600	0	0	0	
337	University of Tennessee; Tenness-see Agricultural and Mechanical College.....	4	4	0	0	275	0	50	10	8,000	0	0	0	0	0	0	0	0	12,000	37,500	0	0	0	
338	Cumberland University.....	4	4	0	0	0	0	40	0	8,000	5,000	40,000	0	0	70,000	3,000	0	0	9,000	12,000	0	0	0	
339	Bethel College.....	4	4	0	0	0	0	12-50	4	1,000	200	15,000	0	0	110,000	6,000	0	0	5,000	6,000	500	0	0	
340	Maryville College.....	4	4	0	0	2	10	0	5	10,275	2,000	50,000	0	0	0	0	0	0	2,000	8,000	2,200	0	0	
341	Christian Brother's College.....	4	4	0	0	0	0	33	5	2,500	250	11,000	0	0	0	0	0	0	3,000	3,000	5,000	0	0	
342	Milligan College.....	4	4	1	0	0	0	30	0	1,500	0	25,000	0	0	17,000	1,200	0	0	4,500	5,700	300	0	0	
343	Carson and Newman College.....	4	4	0	0	0	0	9	5	2,850	2,000	70,000	0	0	10,000	940	0	0	2,432	9,432	6,589	0	0	
344	Central Tennessee College.....	4	4	0	0	0	0	20	134	3,871	10,000	275,000	0	0	10,850	713	0	0	5,170	5,853	3,000	0	0	
345	Fisk University.....	4	4	0	0	0	0	18	0	3,000	0	100,000	0	0	980,000	63,000	0	0	2,120	6,233	0	0	0	
346	Roger Williams University.....	4	4	0	0	0	0	0	0	13,500	80,000	700,000	0	0	0	0	0	0	38,500	101,500	15,500	0	0	
347	Vanderbilt University.....	4	4	0	0	0	0	100	0	23,688	75,000	165,000	0	0	3,400	2,500	0	0	19,000	21,500	13,500	0	0	
348	University of the South.....	4	4	0	0	0	0	0	0	6,000	0	0	0	0	0	0	0	0	1,000	2,200	0	0	0	
349	Greeneville and Tusculum College.....	4	4	0	0	0	0	13-24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEXAS.																								
350	University of Texas.....	4	4	0	0	0	0	0	0	5,553	50,000	150,000	0	0	549,300	41,589	25,000	0	3,690	70,279	100,000	0	0	
351	Fort Worth University.....	4	4	0	0	0	0	40	5	500	200	75,000	0	0	0	0	0	0	6,584	7,334	100,000	0	0	

\* Statistics of 1887-88.

TABLE 7.—Statistics of colleges of liberal arts for 1888-89.—PART II—Continued.

Name.	2	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
		Number of years in college course.	Number of endowed professors.	Number of fellowships.	Number of State scholars.	Number of other scholars.	Annual charge to each pupil for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
TEXAS—continued.																		
352 St. Mary's University	6	0	0	0	0	0	\$80	0	\$10	1,000	\$250	\$125,000	0	0	0	\$15,000	\$15,000	0
353 Southwestern University	3,4	0	0	0	0	0	40-50	\$3	10	200	0	0	0	0	\$725	0	\$1,800	\$900
354 Hope Institute	4	0	0	0	0	0	12-32	1	5	1,400	50	20,000	0	0	0	1,082	4,824	472
355 Wiley University	10	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
356 Salado College	3	0	0	0	0	0	36	0	0	0	0	15,000	0	0	0	0	0	0
357 Austin College	2	0	0	0	0	0	30-50	5	0	2,500	1,000	25,000	\$16,000	\$1,600	0	1,800	3,400	3,500
358 Trinity University*	4	2	0	0	0	35	50	0	5	4,600	1,000	40,000	29,500	0	0	0	0	0
359 Baylor University	4	0	0	0	0	0	30-50	0	0	6,605	4,000	115,000	0	0	0	9,500	9,500	30,000
UTAH.																		
360 University of Deseret	4	0	0	0	0	0	40	0	10	4,000	3,000	150,000	0	0	126,451	5,600	132,051	0
VERMONT.																		
361 University of Vermont and State Agricultural College.	4	3	0	0	32	32	60	0	0	36,472	150,000	275,000	250,000	21,278	0	5,981	34,002	26,000
362 Middlebury College	4	3	0	0	70	70	60	0	4	16,200	4,000	95,000	188,000	12,297	0	1,057	13,858	363
VIRGINIA.																		
363 Randolph-Macon College	0	0	0	0	0	0	75	15	5	7,000	2,000	80,000	100,000	10,500	0	8,500	19,000	40,000
364 University of Virginia	5	0	0	0	17	17	75	25	0	52,000	270,800	778,600	291,000	17,666	35,000	24,902	95,212	3,095
365 Emory and Henry College	4	1	0	0	1	1	50	5	5	12,000	1,000	150,000	60,000	2,000	0	4,000	6,000	3,900
366 Hampton Sidney College	4	1	0	0	2	2	60	10	0	10,000	0	100,000	115,000	7,000	0	1,600	8,600	0
367 Washington and Lee University	7	1	0	0	14	14	50	0	0	20,000	30,000	168,000	608,454	35,149	0	6,943	42,092	1,000
368 Richmond College	1	0	0	0	30	30	70	0	5	16,000	5,000	250,000	250,000	14,000	0	6,200	23,000	32,000
369 Roanoke College	4	0	0	0	10	10	50	5	5	17,000	0	75,000	26,000	1,500	0	4,000	11,000	5,500

WASHINGTON.															
370	University of Washington	4					28-40	5-10	3,100	3,000	55,000	200	2,700	4,800	7,700
371	Whitman College	3-4	0	0	0	0	8 39-48		3,050	800	35,000	1,300		6,006	7,800
WEST VIRGINIA.															
372	Bedford College	4	0	0	0	0	20, 40	10	2,000		135,000			3,000	3,000
373	West Virginia College	4					24		200		12,000	9		300	309
374	West Virginia University						37		5,000	10,000	100,000	7,000	29,000	890	36,800
WISCONSIN.															
375	Lawrence University	4	1	0	0		15-24	0	11,746	2,000	5,000	5,869	0	3,072	16,870
376	Beloit College	4	6	0	0	0	26-36	0	14,309	15,000	190,000	15,865	0	6,031	21,856
377	Galesville University*	4					20-28	5	2,500	300	20,000			700	5,303
378	University of Wisconsin	4	0	9		10	18		21,000	125,000	900,000	28,000	88,000	14,895	130,895
379	Milton College	4	0	0	0	0	27-36	3	3,468	7,000	30,000	1,613		3,104	6,577
380	Racine College	4				4			5 10,000	800		30,000			30,000
381	Ripon College	4	2					5	7,000	10,000	85,000	11,000			13,970
382	Seminary of St. Francis of Sales	4					165		12,000		180,000			30,000	30,000
383	Northwestern University	4					30 5	10	2,100	2,500	58,000			1,500	14,000
WYOMING.															
384	University of Wyoming	4					0		1,500	3,000	150,000		24,449	0	24,654

*b* Two of these are but partially endowed.

*a* Partially.

\* Statistics of 1887-88.



## III.—SCHOOLS OF SCIENCE.

## SCHOOLS OF SCIENCE ENDOWED BY THE NATIONAL LAND GRANT.

Only thirty-two of the forty-eight schools properly reported under this head appear in Table 13. Of the other sixteen schools, the South Georgia College of Agriculture and Mechanic Arts at Thomasville, Ga., has made no report to this Office since 1885-86, and does therefore not appear in the table. The College of Agriculture and Mechanic Arts of the University of North Carolina has been abolished and a new school, the North Carolina College of Agriculture and Mechanic Arts has been located at Raleigh, under the presidency of Alexander Q. Holliday. No report was received from it, as its first session begins on October 3, 1889. The remaining fourteen schools are so closely united with the institutions of which they are departments that it is impossible to separate the work and funds without duplication, so that the statistics of these schools are reported in Table 7, with the institutions to which they belong.

*Remarks on Table 8.*—From the summary given in Table 8, it appears that the total number of professors and instructors reported by the thirty-two schools was 670, which is an increase of 8.06 per cent. over the number reported in 1887-88, while the increase in the number of students is 18.38 per cent. The total income reported by these schools is \$1,407,242, of which amount 37.4 per cent. was derived from State or municipal appropriations, 40.95 per cent. from productive funds, and 15.98 per cent. from tuition fees, leaving a small portion unaccounted for. Comparing these percentages with the corresponding percentages of the previous year, we find that the percentage of income derived from appropriations in 1888-89 exceeds that for 1887-88 by 4.47 per cent., and that for 1886-87 by 4.45 per cent.

Of the total amount received from tuition fees, 68.96 per cent. is reported by the Massachusetts Institute of Technology, and 17.11 per cent. by Cornell University, while the remaining 13.93 per cent. is distributed in small amounts among thirteen institutions.

The number of institutions of this class maintaining preparatory departments is constantly decreasing, thus affording more time and means to the instruction in collegiate branches. The Maryland Agricultural College, in its catalogue for 1888-89, states that the public educational facilities are believed to be such in all parts of the State as to render it unnecessary for the college to maintain a preparatory department.

TABLE 8.—*Summary of statistics of science endowed by the national land grant for 1888-89.—PART I.*

[illegible]





## PROGRESS IN FIVE YEARS.

In the report for 1887-88 an attempt was made to show the ratio of increase in the instructors, students, and productive funds of the land-grant colleges in 5 years. As these ratios virtually represent the entire growth of the schools, a similar scheme of tabulation (Table 9) has been prepared for this report, taking for basis the information received in the years 1883-84 and 1888-89.

The greatest ratio of increase in instructors is reported by Purdue University, in which institution the increase is 200 per cent. The decrease in the number of students in the five institutions reporting a decrease is due, very probably, to the reorganization of the institutions.

TABLE 9.—*Showing, for the colleges endowed with the national land grant, the percentage of increase or of decrease in instructors, students, and productive funds in 1888-89, as compared with 1883-84, according to returns made to this Office.*

Name.	Instructors.		Students.		Productive funds.	
	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.
	<i>Per cent.</i>	<i>Per cent.</i>	<i>Per cent.</i>	<i>Per cent.</i>	<i>Per cent.</i>	<i>Per cent.</i>
Alabama State Agricultural and Mechanical College.	36.36	.....	65.87	.....	0	0
Arkansas Industrial University.....	37.50	.....	61.23	.....	0	0
Colorado State Agricultural College.	37.50	.....	38.96	.....	.....	.....
Sheffield Scientific School of Yale University.	10.71	.....	44.61	.....	.....	.....
Delaware College.....	33.33	.....	.....	50.00	0	0
Southwest Georgia Agricultural College.	33.33	.....	48.11	.....	.....	.....
Middle Georgia Military and Agricultural College.	9.09	.....	8.91	.....	.....	.....
University of Illinois.....	11.11	.....	26.67	.....	36.49	.....
Purdue University.....	200.00	.....	86.02	.....	0	0
Iowa Agricultural College.....	20.00	.....	12.70	.....	1.91	.....
Kansas State Agricultural College.	11.11	.....	12.66	.....	5.72	.....
Agricultural and Mechanical College of Kentucky.	13.33	.....	78.87	.....	0	0
Maine State College of Agriculture and the Mechanic Arts	11.11	.....	56.63	.....	78.89	.....
Maryland Agricultural College.....	40.00	.....	.....	12.25	.....	2.22
Massachusetts Agricultural College	0	0	21.31	.....	50.21	.....
Massachusetts Institute of Technology.	65.52	.....	59.54	.....	.....	.....
Michigan State Agricultural College.	83.33	.....	82.80	.....	17.16	.....
Agricultural and Mechanical College of Mississippi.	5.88	.....	19.55	.....	0	0
Alcorn Agricultural and Mechanical College.	75.00	.....	53.19	.....	0	0
Missouri School of Mines and Metallurgy.	16.67	.....	.....	40.91	.....	.....
New Hampshire College of Agriculture and the Mechanic Arts.	66.67	.....	17.86	.....	34.88	.....
Rutgers Scientific School.....	5.56	.....	40.98	.....	.....	.....
Cornell University.....	63.64	.....	146.74	.....	26.24	.....
Oregon State Agricultural College ..	50.00	.....	.....	29.29	33.33	.....
Pennsylvania State College.....	31.25	.....	83.65	.....	3.50	.....
Clafin University.....	.....	.....	152.27	.....	.....	.....
State Agricultural and Mechanical College of Texas.	122.22	.....	91.67	.....	0	0
Virginia Agricultural and Mechanical College.	.....	.....	.....	49.61	.....	.....
Hampton Normal and Agricultural Institute.	5.17	.....	12.54	.....	.....	.....

## DISTRIBUTION OF STUDENTS IN PRACTICAL WORK.

Table 10 represents, as far as possible, the distribution of students of the land-grant colleges in the various lines of practical work afforded by the institutions. This representation is very incomplete, owing to the failure of many of the institutions to answer the inquiries on this subject. The table is an important one, for it shows not only the extent to which students avail themselves of the opportunities for practical training afforded them, but, taken in connection with similar tables in previous reports, it shows in which of these lines of practical work the institutions are developing most rapidly.

The general tendency of the work of these schools can only be determined by examining the ratios of the individual schools for the successive years. Ratios for the entire country, formed by using only the totals here given, would not be a fair representation for the entire country for two reasons: First, because several of the schools are not included in the representation; second, because the practical work of the schools is necessarily and properly determined by local conditions, for which reason the figures lose their significance when merged into a general sum.

The question relating to military tactics was answered as fully as could be expected. Of the total number of students in the schools answering this inquiry, 52.91 per cent. were engaged in military drill during the year. This is a very good showing when we take into consideration that of the total number of students in the same schools 17.12 per cent. are females.

TABLE 10.—*Showing, for the colleges endowed with the national land grant, the percentage of students engaged in practical work during the year 1888-89.*

Name.	Total number of students.	Field and garden work.		Surveying.		Shop work.		Laboratory.		Observatory.		Industrial art.		Household industry.		Military tactics.	
		Number.	Per cent. of total.	Number.	Per cent. of total.	Number.	Per cent. of total.	Number.	Per cent. of total.	Number.	Per cent. of total.	Number.	Per cent. of total.	Number.	Per cent. of total.	Number.	Per cent. of total.
Alabama State Agricultural and Mechanical College.....	209	104	49.76	57	27.27	121	57.89	40	19.14	.....	.....	163	31.11	.....	.....	190	90.90
Arkansas Industrial University.....	524	.....	.....	16	3.05	120	22.90	.....	.....	.....	.....	.....	.....	.....	.....	198	37.79
Colorado State Agricultural College.....	107	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	96	81.68
Delaware College.....	23	.....	.....	11	37.33	.....	.....	13	44.83	.....	.....	.....	.....	.....	.....	24	82.76
Florida State Agricultural College.....	86	48	55.81	8	9.30	56	65.12	38	44.19	.....	.....	56	65.12	.....	.....	86	100.00
North Georgia Agricultural College.....	140	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85	60.71
University of Illinois.....	418	11	2.63	35	8.37	97	23.21	92	22.01	2	.48	166	39.71	.....	.....	300	71.77
Purdue University.....	439	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	22.78
Iowa State Agricultural College.....	284	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	185	65.14
Kansas State Agricultural College.....	445	56	12.58	34	7.64	176	39.55	109	24.49	.....	.....	243	54.61	165	37.30	170	38.20
Agricultural and Mechanical College of Kentucky.....	381	113	29.66	20	5.35	12	3.15	.....	.....	.....	.....	.....	.....	.....	.....	280	73.49
Maine State College of Agriculture and the Mechanic Arts.....	130	10	7.69	20	15.38	20	15.38	47	36.15	.....	.....	.....	.....	.....	.....	125	96.15
Maryland Agricultural College.....	43	0	.....	12	27.91	0	.....	25	58.14	0	.....	21	48.84	0	.....	43	100.00
Massachusetts Agricultural College.....	120	(a)	.....	(a)	.....	.....	.....	(a)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Massachusetts Institute of Technology.....	828	.....	.....	140	16.91	194	23.43	500	60.29	.....	.....	.....	.....	.....	.....	250	30.19
Michigan State Agricultural College.....	240	228	67.00	77	22.65	167	49.12	119	35.00	20	5.88	.....	.....	.....	.....	305	89.71
Agricultural and Mechanical College of Mississippi.....	318	313	98.43	33	10.38	.....	.....	47	14.78	.....	.....	.....	.....	.....	.....	313	98.43
Alcorn Agricultural and Mechanical College.....	216	165	76.39	16	7.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Hampshire College of Agriculture and the Mechanic Arts.....	33	.....	.....	5	15.15	23	69.70	19	57.58	6	18.18	0	.....	.....	.....	.....	.....
Pennsylvania State College.....	191	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	105	54.97
Cladun University.....	946	25	2.64	3	.32	95	10.04	.....	.....	.....	.....	.....	.....	320	33.83	225	23.78
State Agricultural and Mechanical College of Texas.....	207	120	57.97	24	11.59	170	82.13	15	7.25	.....	.....	.....	.....	.....	.....	200	96.62
Virginia Agricultural and Mechanical College.....	127	3	2.36	25	19.69	30	23.62	26	20.47	.....	.....	.....	.....	.....	.....	127	100.00
Hampton Normal and Agricultural Institute.....	635	101	15.42	.....	.....	170	25.95	.....	.....	.....	.....	.....	.....	225	34.35	246	37.56

a All the students in course take field and garden work, surveying, and laboratory.



## DISTRIBUTION OF STUDENTS IN DEGREE COURSES.

Table 11 shows the distribution of students in the several degree courses of the land-grant colleges so far as reported. Omitting the schools not reporting this particular we find that 51.3 per cent. of the total number are in courses leading to the B. S. degree, 5.12 per cent. are in the A. B. degree, 3.87 per cent. in the B. L. course, 6.01 per cent. in the C. E. course, 2.96 per cent. in the M. E. course, 0.8 per cent. in the veterinary medical course, 0.61 per cent. in the Ph. G. course, and 9.94 per cent. in other first degree courses, leaving 19.39 per cent. not distributed in degree courses.

With few exceptions the schools included in Table 11 are purely scientific or technical in character, which accounts for the large proportion of students in scientific and technical courses. Five schools only report students in the A. B. course, one reports students in the B. L. course, while Cornell University reports students in both A. B. and B. L. courses.

TABLE 11.—Showing, for the colleges endowed by the national land grant, the percentage of collegiate students in the several degree courses during the year 1888-89.

Name.	Total number of col- legiate students.		A. B. course		B. S. course.		E. L. course.		C. E. course.		M. E. course		Other first degree courses.		Veterinary medical course.		Ph. G. course.	
	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.	Number.	Per cent. of col- legiate.
Alabama State Agricultural and Mechanical College.....	130								24	13.33								
Arkansas Industrial University.....	85				65	100.00												
Colorado State Agricultural College.....	65		25	86.21	4	13.79												
Delaware College.....	29		21	38.18	26	47.27			8	14.55								
Florida State Agricultural College.....	55																	
Southwest Georgia Agricultural College.....	33																	
North Georgia Agricultural College.....	81		37	45.68														
West Georgia Agricultural and Mechanical College.....	61		52	85.25	9	14.75												
University of Illinois.....	293																	
Purdue University.....	294				96	32.65			42	14.29	67	22.79			15	5.10	28	9.52
Iowa State Agricultural College.....	282		0		115	40.78	82	29.08	27	9.57	32	11.35			22	7.80		
Kansas State Agricultural College.....	438				438	100.00												
Agricultural and Mechanical College of Kentucky.....	210								50	38.46	40	30.77						
Maine State College of Agriculture and the Mechanic Arts.....	130				30	23.08												
Maryland Agricultural College.....	42				40	95.24												
Massachusetts Institute of Technology.....	120				120	100.00												
Massachusetts Institute of Technology.....	827				590	71.34												
Michigan Agricultural College.....	321				321	100.00												
Agricultural and Mechanical College of Mississippi.....	177				177	100.00												
Alcorn Agricultural and Mechanical College.....	41				41	100.00												
New Hampshire College of Agriculture and the Mechanic Arts.....	33				33	100.00												
Rutgers Scientific School.....	86				86	100.00												
Cornell University.....	1,066		83	7.78	67	6.29	97	9.10	126	11.82			459	43.05				
Oregon State Agricultural College.....	65				8	12.31												
Pennsylvania State College.....	106				103	97.17												
Cladun University.....	21		19	90.48														
Texas State Agricultural and Mechanical College.....	201																	
Virginia Agricultural and Mechanical College.....	108				3	2.78			1	.93			1	.93				

## OCCUPATIONS OF GRADUATES OF SCHOOLS OF SCIENCE.

The question is frequently asked, "What proportion of the graduates of the land-grant colleges are engaged in agriculture and the mechanic arts?" The endeavor is here made to present in tabular form the data bearing upon this inquiry. Considerable difficulty has been experienced in collecting the required statistics, as many of the institutions do not publish a list of their alumni, while some publish a list without giving the occupations; altogether 14 land-grant institutions are included in the scheme (Table 12).

The total number of living graduates of these 14 institutions is 4,261, of which number the occupations of 417 are unknown, leaving 3,844 to be accounted for. Perhaps it would be well to note that a large proportion of those included under the head "unknown" are reported as being with manufacturing companies, railroads, etc., but no definite occupation is mentioned. Of the total number distributed 1,691 or 44 per cent. of the graduates are engaged in agriculture and mechanic arts or in occupations allied to them. Taking the table in detail we find that 8.3 per cent. are engaged in farming, 6.06 per cent. in land-grant colleges and agricultural experiment stations, 14.75 per cent. are engaged in engineering; 2.45 per cent. in architecture, 2.89 per cent. in manufactures, 2.16 per cent. as chemists, 1.93 per cent. as superintendents, 1.59 per cent. as draughtsmen, 1.48 per cent. as professors in colleges, 1.53 per cent. as editors, 4.84 per cent. as physicians, 1.53 per cent. as clergymen, 3.77 per cent. are students, 10.33 per cent. are teachers, including superintendents of schools, 11.29 per cent. are lawyers, and 9.29 per cent. are in business, leaving 15.81 per cent. distributed in several other occupations.

Considering the second part of the table, *i. e.*, those schools not endowed by the land grant, we find the total number of graduates is 1,999, of whom only 56.78 per cent. are engaged in technical occupations. Taking into consideration the fact that, with one exception, all the institutions included in the second part of the table are purely technological schools, and that five of the institutions in the first part of the table also maintain classical and literary courses of study, the showing made by the latter class is very good in comparison with that of the technological schools not endowed by the land grant.



TABLE 12.—Showing the occupations of graduates of land-grant colleges and technological schools.

Name.	Number of living graduates.	Occupation.																				Occupations unknown.												
		Farming.	Gardening.	Planters.	Stock-raisers.	Veterinary physicians.	Chemists.	Professors in land-grant colleges and experiment stations.	Engineers.	Architects.	Mechanics.	Electricians.	Superintendents and managers.	Draftsmen.	Miners.	Manufacturing.	U. S. Signal Service.	Surveyors.	Assayers.	Professors in colleges.	Editors.		Physicians.	Clergymen.	Students.	Teachers.	Lawyers.	Business.	Druggists.	Married women or house-keepers.	Clerks.	Salesmen.	Miscellaneous.	
Arkansas Industrial University.....	96	1	...	...	2	1	...	4	...	...	...	...	...	...	...	...	...	1	...	2	2	5	...	...	19	27	1	...	13	7	1	...	13	
Colorado State Agricultural College.....	18	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	48	35	6	56	16	...	...	...	...
University of Illinois.....	532	47	2	...	...	1	8	14	52	24	19	8	12	...	...	...	9	1	...	4	10	25	3	8	52	48	35	6	56	16	...	...	...	
Kansas State Agricultural College.....	98	16	2	...	...	...	...	1	...	...	3	...	...	...	...	...	...	2	...	...	...	...	...	...	17	8	10	...	13	2	...	...	...	
Maine State College of Agriculture and Mechanic Arts.....	263	15	1	...	...	1	1	16	65	...	...	...	21	...	...	...	9	3	2	...	3	9	3	7	22	12	14	6	8	6	4	12	23	
Massachusetts Agricultural College.....	278	46	14	4	9	7	9	28	14	...	...	...	...	...	...	4	...	...	...	...	...	15	4	12	13	10	66	4	...	...	...	...	...	
Massachusetts Institute of Technology.....	622	1	1	...	...	2	34	51	129	13	2	6	68	22	...	...	17	1	...	19	2	25	5	20	10	5	18	2	...	...	...	...	...	
Michigan Agricultural College.....	334	93	15	...	...	7	2	27	13	3	...	...	...	...	...	...	6	...	...	...	...	25	5	...	53	41	33	9	5	15	8	18	...	
New Hampshire College of Agriculture and Mechanic Arts.....	117	28	...	...	...	1	4	7	2	...	...	...	...	...	...	...	7	3	...	...	...	9	2	6	9	2	32	...	...	...	...	...	...	
Rutgers Scientific School.....	140	5	...	...	1	...	6	4	38	1	...	3	4	2	...	...	13	...	...	2	1	13	1	5	3	8	11	...	...	...	...	...	...	
Cornell University.....	1,352	45	...	...	...	11	55	223	51	...	...	...	...	...	...	...	39	...	...	29	83	65	30	65	162	235	110	...	...	...	...	...	...	
Ohio State University.....	144	1	...	...	...	3	6	9	1	...	...	1	...	3	...	...	2	3	1	...	1	4	3	3	14	20	11	1	...	5	3	...	...	
Pennsylvania State College.....	134	17	1	...	...	1	8	7	8	1	...	3	1	1	...	...	4	1	...	...	...	7	4	5	6	20	15	3	...	6	...	9	6	
Texas State Agricultural and Mechanical College.....	83	4	1	...	...	1	...	7	8	1	...	...	...	...	...	...	1	...	...	...	...	3	...	3	4	7	9	1	...	4	1	3	24	
Total.....	4,261	319	37	4	23	12	83	233	567	94	28	20	74	61	...	111	19	6	...	57	59	186	59	145	397	434	357	31	100	103	21	264	417	
Colorado State School of Mines.....	2169	...	...	...	...	13	...	...	4	...	...	...	15	20	...	...	...	14	29	...	...	7	...	4	2	...	...	...	...	...	...	...	...	
Rose Polytechnic Institute.....	38	...	...	...	...	...	...	1	...	...	...	...	3	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Worcester Polytechnic Institute.....	383	...	...	...	...	19	...	75	5	10	21	63	98	...	...	...	...	...	...	...	...	...	...	12	28	...	...	...	...	...	...	...	...	
Stevens Institute of Technology.....	232	...	...	...	...	2	...	2	44	...	2	5	31	15	...	...	15	...	...	...	...	...	...	3	5	4	...	...	...	...	...	...	...	
Rensselaer Polytechnic Institute.....	766	7	1	7	1	5	...	255	4	...	2	59	2	...	...	...	62	12	...	...	...	11	6	6	3	18	50	2	...	...	...	...	...	
Case School of Applied Science.....	23	...	...	...	...	1	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	
Lough University.....	360	1	...	...	...	9	...	2	98	2	...	1	35	11	...	...	1	2	1	...	...	3	6	1	15	9	12	11	...	...	...	...	...	
New Market Polytechnic Institute.....	28	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	6	5	1	...	...	...	...	...	...	
Total.....	1,999	9	1	8	1	...	49	3	491	11	12	32	212	87	20	80	...	28	31	60	13	28	8	47	54	39	135	2	...	35	4	174	325	

a Former students.

TABLE 13.—Statistics of schools of science endowed by the national land grant for 1888-89.—PART I.

Location.	Name.	President.	Date of charter.	Year of first opening.	Professors and instructors.			Students.												
					Number in preparatory department.	Number in collegiate department.	Total number.	Number in preparatory department.				Number in collegiate department.				Number of resident graduates.				
								Male.		Female.		Male.		Female.		Male.		Female.		
								9	10	11	12	13	14	15	16	17	18	Total.	Male.	Female.
1	Auburn, Ala.....	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total.
2	State Agricultural and Mechanical College.	William Le Roy Brown, M. A., LL. D.	1872	1872	2	13	15	22	0	22	180	0	180	7	0	7	209	0	209	
3	Arkansas Industrial University	E. H. Murfee, LL. D.	1871	1872	5	17	22	206	121	417	63	22	85	1	1	2	360	164	524	
4	State Agricultural College.	Charles Lee Ingersoll, M. S.	1877	1879	1	10	11	29	12	41	36	29	65	1	0	1	66	41	107	
5	Sheffield Scientific School of Yale University.	George J. Brush, LL. D., director.	1847	1847	0	31	31	0	0	284	0	284	24	0	24	308	0	308		
6	Delaware College	Albert N. Raub, A. M., PH. D.	1870	1871	0	8	8	0	0	29	0	29	0	0	0	29	0	29		
7	Florida State Agricultural College.	F. L. Kern, A. M.	1870	1883	6	28	34	28	55	0	55	3	0	3	86	0	86			
8	Southwest Georgia Agricultural College.	A. J. Clark.	1879	1879	2	4	124	0	124	33	0	33	0	0	0	115	25	140		
9	North Georgia Agricultural College	William S. Basinger	1871	1872	6	6	46	13	59	69	12	81	0	0	0	115	25	140		
10	West Georgia Agricultural and Mechanical College.	Henry A. Hayes, A. B.	1881	1881	2	2	4	32	24	56	33	28	61	0	0	65	52	117		
11	Milledgeville, Ga	Gen. D. H. Hill, LL. D.	1880	1880	5	7	12	150	178	428	0	0	0	0	0	0	0	0		
12	Urbana, Ill.	Selim H. Peabody, PH. D., LL. D., regent.	1867	1868	30	107	14	121	236	57	293	3	1	4	346	72	418			
13	La Fayette, Ind	James H. Smart, LL. D	1862	1874	33	70	41	111	236	58	294	10	8	18	325	114	439			
14	Ames, Iowa	W. L. Chamberlain, A. M., LL. D.	1857	1869	0	24	0	0	199	83	282	2	0	2	201	83	284			
15	Manhattan, Kans	George T. Fairchild, A. M.	1863	1863	0	20	0	0	261	176	437	6	1	7	267	177	444			
16	Lexington, Ky	James K. Patterson, PH. D., F. S. A.	1865	1866	5	12	17	151	20	171	186	24	210	0	0	337	44	381		
17	Orono, Me	M. C. Fernald, A. M., PH. D	1865	1868	0	10	10	0	0	128	2	130	0	0	0	128	2	130		
18	Agricultural College, Md.	Honry E. Alvord, C. E.	1856	1859	0	7	7	0	0	42	0	42	1	0	1	43	0	43		

18	Amherst, Mass .....	Massachusetts Agricultural College	Henry H. Goodell, A. M. ....	1863	1867	0	11	11	0	0	0	120	0	120	0	10	130	0	130
19	Boston, Mass .....	Massachusetts Institute of Techno- logy.	Francis A. Walker, Ph. D., LL. D.	1861	1865	0	96	96	0	0	0	794	33	827	1	0	1	795	33
20	Agricultural Col- lege, Mich.	Michigan State Agricultural College	Oscar Clute, M. S. ....	1855	1857	0	22	22	0	0	0	305	16	321	19	0	19	324	16
21	Agricultural Col- lege, Miss.	Agricultural and Mechanical Col- lege of Mississippi.	Gen. Stephen D. Lee .....	1878	1880	4	14	18	136	0	136	177	0	177	5	0	5	313	0
22	Rodney, Miss.	Alabama Agricultural and Mechan- ical College.	John H. Burrus, M. A. ....	1871	1871	3	4	7	103	7	175	38	3	41	0	0	0	205	10
23	Rolla, Mo. ....	Missouri School of Mines and Metal- lurgy.	S. S. Laws, LL. D. ....	1839	1871	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65	0
24	Hanover, N. H. ....	New Hampshire College of Agricul- ture and the Mechanic Arts.	Hon. George W. Nesmith, LL. D.	1866	1868	0	10	10	0	0	0	33	0	33	0	0	0	33	0
25	New Brunswick, N. J.	Rutgers Scientific School .....	Morrill Edwards Gates, Ph. D.	1766	1865	0	19	19	0	0	0	86	0	86	.....	.....	.....	86	0
26	Ithaca, N. Y. ....	Cornell University .....	Charles Kendall Adams, LL. D.	1865	1868	0	90	90	0	0	0	957	109	1,066	39	30	09	996	139
27	Corvallis, Oreg. ....	State Agricultural College .....	B. L. Arnold .....	1862	1868	1	8	9	21	7	28	42	23	65	3	3	6	68	33
28	State College, Pa.	Pennsylvania State College .....	George W. Altherton, LL. D.	1855	1859	4	17	21	66	16	82	96	10	106	3	0	3	165	26
29	Orangeburg, S. C.	Claff University .....	Rev. L. M. Dutton, A. M., D. D.	1872	1872	.....	.....	10	548	377	925	19	2	21	.....	.....	.....	567	379
30	College Station, Tex.	State Agricultural and Mechanical College of Texas.	Louis L. McJannet, chairman of the faculty.	1871	1876	0	20	20	0	0	0	201	0	201	6	0	6	207	0
31	Blacksburgh, Va. ....	Virginia Agricultural and Mechan- ical College.	General L. L. Lomax .....	1872	1872	1	8	9	15	0	15	108	0	108	4	0	4	127	0
32	Hampton, Va. ....	Hampton Normal and Agricultural Institute.	Samuel C. Armstrong .....	1870	1868	.....	61	418	237	655	.....	.....	.....	.....	.....	.....	.....	418	237
Total																			

a Includes 16 non-resident graduates.



TABLE 13.—Statistics of schools of science endowed by the national land grant for 1888-89.—PART II.

Name.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
	Number of endowed professors.	Number of fellowships.	Number of State scholars.	Number of other scholars.	Number of volumes in library.	Annual charge for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
1 State Agricultural and Mechanical College.	0	0			1,500	0	\$5	\$5	\$19,000	\$112,000	\$253,500	\$20,280	\$60,908	\$825	\$32,013	.....
2 Arkansas Industrial University.	0	0	21,066	0	4,329	\$10	5	0		300,000	130,000	10,400	17,500	1,000	29,900	0
3 State Agricultural College.	0	0		0	1,600	0	5	10		98,789	13,000	1,500	20,000	0	440,800	.....
4 Sheffield Scientific School of Yale University.			23	1	6,000	150		10								.....
5 Delaware College.			30	10	4,500	60	5	5		40,000	83,000	4,980	7,000		4,980	.....
6 Florida State Agricultural College.					2,000	0	5	5	2,000	60,000	153,000	9,000	2,000	1,000	10,000	.....
7 Southwest Georgia Agricultural College.										5,000					3,000	.....
8 North Georgia Agricultural College.										30,000	5,000		5,500	1,200	7,000	.....
9 West Georgia Agricultural and Mechanical College.					1,000	25	5		500	10,000					1,200	.....
10 Middle Georgia Military and Agricultural College.					3,000	0	21-10									.....
11 University of Illinois.	0	0	5	0	18,000	0	10	5	133,118	450,000	438,769	21,537	34,192	11,144	66,893	0
12 Purdue University.					5,000		5	5	50,000	270,000	340,000	17,000	24,000	45,000	46,000	.....
13 Iowa Agricultural College.	0	0		0	9,000	0	0	5	20,000	300,000	650,000	45,000	5,000	0	655,000	.....
14 Kansas State Agricultural College.	0	0			9,000	0	0	0	46,350	161,000	501,435	31,686	7,975	0	46,221	0
15 Agricultural and Mechanical College of Kentucky.			476			15	5	0		200,000	145,000	9,900	24,000	2,700	36,000	.....
16 Maine State College of Agriculture and the Mechanic Arts.					5,800	30		3	20,000	175,000	231,300	11,638	15,000	3,300	444,338	\$1,300
17 Maryland Agricultural College.	0	0		0	2,500	0	0	0	1,000	75,000	110,000	6,200	6,000	0	14,200	0
18 Massachusetts Agricultural College.	0	0	80	15	8,708		0	5		233,810	360,575	11,442	10,000	960	22,473	.....
19 Massachusetts Institute of Technology.	4	1	20	20	13,340	200	0	0		688,900		10,500	102,624	154,151	267,275	17,000
20 Michigan State Agricultural College.	0	0	0	0	11,000	15	5	5	17,802	339,081	448,350	31,838	16,798	367	59,183	.....
21 Agricultural and Mechanical College of Mississippi.	0	0	300	0	2,949	27	5	0	47,388	111,885	98,575	4,929	17,568	0	22,568	0

22	Alcorn Agricultural and Mechanical College.	.....	.....	.....	1,236	15	.....	.....	.....	190	50,000	113,575	5,679	3,821	94	9,594	0
23	Missouri School of Mines and Metallurgy.	0	0	0	.....	20	10	5	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	New Hampshire College of Agriculture and the Mechanic Arts.	0	0	.....	24	30	.....	2	.....	2,500	75,000	107,900	7,253	3,000	0	25,253	0
25	Rutgers Scientific School.	2	8	50	36	75	.....	.....	.....	422,297	930,736	4,528,351	255,560	15,000	38,475	329,811	.....
26	Cornell University.	.....	.....	112	1,500	15	.....	.....	.....	4,000	40,000	100,000	8,000	2,500	700	11,200	500
27	State Agricultural College.	.....	.....	50	7,000	0	0	0	.....	20,000	320,000	517,500	31,020	58,750	0	81,020	.....
28	Pennsylvania State College.	0	0	0	51	3	.....	2,3	.....	800	60,000	0	0	10,800	4,000	20,000	1,400
29	Cladon University.	0	0	0	0	0	.....	5	.....	67,015	234,162	200,000	14,280	15,000	0	30,500	0
30	State Agricultural and Mechanical College of Texas.	.....	.....	.....	3,500	0	.....	.....	.....	2,000	56,400	.....	.....	20,000	.....	.....	.....
31	Virginia Agricultural and Mechanical College.	0	0	200	0	.....	.....	5	.....	.....	500,000	180,000	6,500	10,329	.....	98,000	.....
32	Hampton Normal and Agricultural Institute.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>a</sup> Includes an appropriation of \$50,000 for college building. The college also received \$30,000 on insurance policies of burned building.

<sup>b</sup> Free tuition.

<sup>c</sup> Includes \$15,000 for experiment station.

<sup>d</sup> From incidental fees.

<sup>e</sup> For non-residents.

<sup>f</sup> For buildings.

TABLE 14. — Summary of statistics of schools of science not endowed with the national land grant for 1888-89.

State or Territory.	Professors and instructors.				Students.				Number of endowed professorships.	Number of fellowships.	Number of State scholarships.	Number of other scholarships.	Number of volumes in libraries.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
	Number in preparatory department.	Number in collegiate department.	Total number.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total number.														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
California.....	2	7	17	105	86	191	191	0	0	0	0	25	2,400	\$3,000	\$163,000	\$950,000	\$23,000	\$24,000	\$4,800	\$27,800	0
Colorado.....	1	0	7	5	49	1	50	0	0	0	0	0	1,368	9,000	40,000	0	0	\$24,000	0	24,000	0
Connecticut.....	1	1	5	22	33	40	284	0	0	0	0	0	1,481	1,480	2,200	0	0	18,000	470	18,470	0
Dakota.....	2	1	0	17	0	96	284	0	0	0	0	0	2,800	17,000	125,000	0	0	42,000	0	42,000	\$200
District of Columbia.....	1	1	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia.....	1	1	0	10	14	138	136	0	0	0	0	0	6,000	35,000	150,000	450,000	23,000	0	10,000	33,000	0
Indiana.....	1	1	43	47	209	209	483	4	0	1	0	0	3,000	1,000	100,000	0	0	17,500	0	17,500	0
Massachusetts.....	4	1	5	5	0	77	77	0	0	0	0	5	130	1,500	400,000	400,000	23,000	10,000	28,000	64,000	29,000
Michigan.....	1	2	0	16	30	70	105	175	1	1	19	45	21,876	5,000	55,000	300,000	23,000	10,000	0	64,000	29,000
New Hampshire.....	2	1	5	30	70	391	11	4,047	1	19	12	12	4,750	8,200	450,000	2,000,000	17,750	12,000	0	64,450	3,525
New Jersey.....	4	3	15	27	151	151	657	1	1	19	12	12	4,750	8,200	450,000	2,000,000	17,750	12,000	0	62,000	45,000
New York.....	3	31	40	387	387	842	842	0	0	0	0	0	99,047	13,500	1,180,000	2,035,000	17,750	12,000	0	34,879	10,000
Ohio.....	3	0	7	0	131	131	0	131	0	0	0	0	1,000	1,500	250,000	0	0	20,000	0	36,000	0
Pennsylvania.....	1	1	8	9	6	48	54	0	0	0	0	0	3,000	5,100	35,000	0	0	1,500	500	2,000	3,000
South Carolina.....	1	1	16	20	37	232	273	0	0	0	50	4	10,500	5,100	302,500	20,000	1,200	30,000	9,500	43,700	25
Vermont.....	2	1	1	20	37	232	273	0	0	0	50	4	10,500	5,100	302,500	20,000	1,200	30,000	9,500	43,700	25
Virginia.....	2	1	1	20	37	232	273	0	0	0	50	4	10,500	5,100	302,500	20,000	1,200	30,000	9,500	43,700	25
Total.....	32	11	241	389	302	2,133	7,716	7,716	7	20	50	93	157,352	101,280	2,852,700	6,155,000	87,950	163,000	65,270	469,799	90,750



TABLE 15.—Statistics of schools of science not endowed with the national land grant for 1888-89.—PART I.

Location.	Name.	President.	Date of charter.	Year of first opening.	Professors and instructors.				Students.				Number of years in collegiate course.	Number of endowed professorships.	Number of fellowships.	Number of State scholarships.	Number of other scholarships.
					Number in preparatory department.	Number in collegiate department.	Total number.		Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total number.					
1	2	3	4	5	6	7	8		9	10	11	12	13	14	15	16	17
1 Ontario, Cal. ....	Chaffey College of Agriculture (University of Southern California).	William Trafton Randall .....	1882	1887	7	...	7	75	75	...	...	75	...	...	...	...	...
2 San Francisco, Cal. ....	Cogswell Polytechnical College .....	James G. Kennedy .....	1888	1887	0	7	10	30	86	0	0	116	0	0	0	0	25
3 Golden, Colo. ....	Colorado State School of Mines .....	Regis Chauvenet, A. M., B. S. ....	1874	1874	0	7	7	0	49	1	50	4	0	0	0	0	0
4 Mansfield, Conn. ....	Storrs Agricultural School .....	B. F. Koons, A. M., Ph. D. ....	1881	1881	...	...	5	...	...	...	40	3	...	...	...	...	...
5 Brookings, Dak. ....	Dakota Agricultural College .....	Lewis McLouth, A. M., Ph. D. ....	1881	1884	...	...	16	77	...	...	244	4	0	0	0	0	0
6 Rapid City, Dak. ....	Dakota School of Mines .....	Franklin R. Carpenter, A. M. ....	1885	1887	1	5	6	7	33	...	40	3	4	0	0	0	0
7 Washington, D. C. ....	Corcoran Scientific School (Columbian University).	James C. Welling, LL. D. ....	1821	1881	0	17	17	0	96	...	96	4	0	0	0	0	0
8 Atlanta, Ga. ....	State School of Technology .....	Isaac S. Hopkins, Ph. D., D. D. ....	1887	1887	...	...	6	...	...	...	136	4	...	...	...	...	...
9 Terre Haute, Ind. ....	Rose Polytechnic Institute .....	T. C. McIndenall, LL. D. ....	1874	1883	0	10	214	0	138	3	141	4	...	...	...	...	...
10 Cambridge, Mass. ....	Lawrence Scientific School (Harvard University).	Winfield S. Chaplin, A. M., dean ..	1650	1848	0	20	20	0	35	0	35	4	3	...	...	...	...
11 Jamaica Plain, Mass. ..	Bussey Institution (Harvard University).	Francis H. Storer, S. B., A. M., dean.	1650	1871	0	6	6	0	6	...	...	6	...	...	...	...	...
12 New Bedford, Mass. ....	Swan Free School .....	Andrew Ingraham, master .....	1881	1882	...	...	4	...	...	...	274	...	...	...	...	...	...
13 Worcester, Mass. ....	Worcester Polytechnic Institute .....	Homier T. Fuller, Ph. D. ....	1865	1868	0	17	17	0	163	...	168	3, 33	0	1	0	20	115
14 Houghton, Mich. ....	State Mining School .....	Marshallman E. Wadsworth, A. M., Ph. D., director.	1885	1886	0	5	5	...	...	...	39	2	0	1	0	0	0
15 Hanover, N. H. ....	Chandler Scientific Department of Dartmouth College.	Rev. Samuel C. Bartlett, D. D., LL. D.	1769	1852	0	14	14	0	67	0	67	4	...	...	...	...	*5
16 do .....	Thayer School of Civil Engineering (Dartmouth College).	Rev. Samuel C. Bartlett, D. D., LL. D.	1769	1871	0	2	2	0	10	...	10	2	...	...	...	...	...
17 Hoboken, N. J. ....	Stevens Institute of Technology .....	Henry Morton Ph. D. ....	1870	1871	...	...	24	...	...	...	...	...	4	1	0	0	...
18 Newark, N. J. ....	Newark Technical School .....	Charles A. Colton, E. M. ....	1885	1885	1	5	6	70	105	0	173	4	0	0	0	0	0

b Partially.

a Includes four instructors in workshops.

TABLE 15.—Statistics of schools of science not endowed with the national land grant for 1888-89.—PART I—Continued.

Location.	Name.	President.	Date of charter.	Year of first opening.	Professors and instructors.			Students.				Number of years in collegiate course.	Number of endowed professorships.	Number of fellowships.	Number of State scholarships.	Number of scholarships.
					Number in preparatory department.	Number in collegiate department.	Total number.	Number in preparatory department.	Number in collegiate department.	Number of resident graduates.	Total number.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
19 New York, N. Y.....	Cooper Union Free Night Schools of Science and Art.....	George W. Plympton, A. M., C. E., director.	1859	1859	—	—	36	—	—	—	3,515	—	—	—	—	—
20 do .....	Hebrew Technical Institute.....	Henry M. Leipziger, Ph. D., director.	1884	1884	—	—	8	—	—	—	130	3	—	—	—	—
21 do .....	School of Mines of Columbia College..	Henry Drisler, LL. D., acting president.	1754	1864	0	29	39	0	230	8	238	4	0	19	—	45
22 Troy, N. Y.....	Rensselaer Polytechnic Institute.....	John Hudson Peck, A. M., LL. D.	1826	1834	0	17	17	0	161	3	164	4	1	—	—	—
23 Cincinnati, Ohio .....	Industrial and Art School of the Ohio Mechanics Institute.....	Thomas Gilpin .....	1829	1829	—	—	12	—	—	—	506	—	—	—	—	—
24 do .....	Technical School of Cincinnati.....	L. R. Klemm, Ph. D., principal.	1886	1886	0	6	6	0	85	0	85	4	—	—	—	—
25 Cleveland, Ohio .....	Case School of Applied Science.....	Cady Staley, Ph. D., LL. D.....	1880	1881	0	9	9	0	66	0	66	4	1	—	—	12
26 Philadelphia, Pa.....	Franklin Institute .....	Joseph M. Wilson, C. E.....	1824	1824	—	—	4	—	—	—	350	—	—	—	—	—
27 do .....	Wagner Free Institute of Science.....	Samuel Wagner .....	1855	1855	—	—	5	—	—	—	105	—	—	—	—	—
28 South Bethlehem, Pa.....	Lehigh University.....	Robert A. Lamberton, LL. D.....	1866	1866	31	21	51	—	387	—	387	4	0	0	0	2
29 Charleston, S. C.....	South Carolina Military Academy * .....	Gen. George D. Johnston.....	1842	1843	0	7	7	0	131	0	131	4	0	0	0	0
30 Northfield, Vt.....	Norwich University.....	Col. Charles H. Lewis, LL. D.....	1834	1834	1	8	9	6	48	—	54	4	—	—	—	4
31 Lexington, Va.....	Virginia Military Institute.....	Francis H. Smith, LL. D.....	1839	1839	14	14	28	214	4	4	218	—	—	—	50	4
32 New Market, Va.....	New Market Polytechnic Institute.....	W. H. Smith, A. M.....	1870	1870	1	2	3	37	18	0	55	4	0	0	0	0

\* Statistics of 1887-88.

TABLE 15.—Statistics of schools of science not endowed with the national land grant for 1888-89.—PART II.

Name.	18	19	20	21	22	23	24	25	26	27	28	29
	Number of volumes in library.	Annual charges for tuition to each pupil.	Amount of matriculation fee.	Amount of graduation fee.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of permanent productive funds.	Income for year from productive funds.	Amount of State or municipal aid received within the year.	Amount of receipts within the year from tuition fees.	Income for year from all sources except charges for board and lodging.	Benefactions.
1 Chaffoy College of Agriculture (University of Southern California)	900	\$25				\$38,000	\$200,000	\$8,000		\$2,000	\$10,000	
2 Cogswell Polytechnical College	1,500	100			\$3,000	125,000	750,000	15,000		2,800	17,800	0
3 Colorado State School of Mines	1,368	0	0	0	9,000	40,000	0	0	\$24,000	0	24,000	0
4 Storrs Agricultural School	1,481	25			1,480	2,200			18,000	470	18,470	
5 Storrs Agricultural College	2,500	0	0	0	2,000	100,000	0	0	25,000	0	25,000	
6 Dakota School of Mines	300	0		\$10	15,000	25,000			17,000	0	17,000	\$200
7 Corcoran Scientific School (Columbian University)		90	\$10									
8 State School of Technology		(a)										
9 Rose Polytechnic Institute	6,000	b 25			35,000	150,000	450,000	23,000		10,000	33,000	
10 Lawrence Scientific School (Harvard University)	2,700	150										
11 Bussey Institution (Harvard University)	3,006	150					150,000					
12 Swan Free School		0	0	0	20,000	20,000	560,000	27,000	0	4,500	40,000	1,500
13 Worcester Polytechnic Institute	1,500	150	0	0	1,600	100,000		0	17,500	0	17,500	0
14 State Mining School	3,000	0										
15 Chandler Scientific Department of Dartmouth College	60	60					400,000	23,000		28,000	51,000	20,000
16 Thayer School of Civil Engineering (Dartmouth College)	150	150				0	300,000	0	10,000	0	13,000	3,000
17 Stevens Institute of Technology	130	0	0	0	1,500						51,450	525
18 Newark Technical School	21,276	0			5,000	55,000					13,000	3,000
19 Cooper Union Free Night Schools of Science and Art	600	0	5	20								
20 Hebrew Technical Institute	200	0	18									
21 School of Mines of Columbia College	200	3										
22 Rensselaer Polytechnic Institute	4,700	75-150			250,000				0			
23 Industrial and Art School of the Ohio Mechanics Institute	50	75	0	0	200		2,000,000			7,000	7,000	45,000
24 Case School of Applied Science	31,762	10			8,000	200,000		1,750		5,000	55,000	
25 Franklin Institute	6,000	0			1,500	75,000	35,000				18,879	10,000
26 Wagoner Free Institute of Science	61,255	0	0	0	12,000	1,000,000	2,000,000	16,000		0	16,000	
27 Lehigh University	1,000	45		5	1,500	250,000			20,000	0	36,000	
28 South Carolina Military Academy*	3,000	0	10	10		35,000		0	1,500	500	2,000	3,000
29 Norwich University	10,000	75			5,000	300,000	20,000	1,200	30,000	7,500	41,700	
30 Virginia Military Institute												
31 New Market Polytechnic Institute	500	{ 30 } { 40 } { 50 }	27 33	5	100	2,500	0	0	0	2,000	2,000	25

\* Statistics of 1887-88.

a Free to residents of Georgia; \$150 to non-residents.

b To residents of Vigo County; \$100 to non-residents.



## IV.—PROFESSIONAL INSTRUCTION.

TABLE 16.—*Summary of statistics of schools of theology, law, and medicine, by geographical sections, for 1888-89.*

Divisions.	Schools of theology.					Schools of law.				
	Number of schools.	Number of instructors.	Students.			Number of schools.	Number of instructors.	Students.		
			Total number.	Number who had received a degree in letters or science.	Ratio of students who had received a degree to total number.			Total number.	Number who had received a degree in letters or science.	Ratio of students who had received a degree to total number.
North Atlantic Division....	44	278	2,430	781	<i>Per ct.</i> 32.1	9	120	1,356	544	<i>Perct.</i> 40.1
South Atlantic Division....	21	109	1,444	147	10.2	15	63	805	73	9.1
South Central Division....	16	64	587	18	3.1	9	31	317	20	6.3
North Central Division....	55	218	2,475	504	20.4	16	120	1,321	142	10.8
Western Division.....	5	17	53	3	5.7	3	11	107	50	46.7
United States.....	141	686	6,989	1,453	20.8	52	345	3,906	829	21.2

Divisions.	Schools of medicine.									
	Regular.					Homeopathic.				
	Number of schools.	Number of instructors.	Students.			Number of schools.	Number of instructors.	Students.		
			Total number.	Number who had received a degree in letters or science.	Ratio of students who had received a degree to total number.			Total number.	Number who had received a degree in letters or science.	Ratio of students who had received a degree to total number.
North Atlantic Division....	21	687	4,560	816	<i>Perct.</i> 17.9	4	106	462	61	<i>Perct.</i> 13.2
South Atlantic Division....	16	262	1,547	11	.7	.....	.....	.....	.....	.....
South Central Division....	12	158	2,201	37	1.7	.....	.....	.....	.....	.....
North Central Division....	35	664	3,426	311	9.1	9	126	666	55	8.3
Western Division.....	8	136	504	37	7.3	1	17	31	0	0
United States.....	92	1,907	12,238	1,212	9.9	14	249	1,159	116	10.0

TABLE 17.—*Summary of statistics of schools of theology, according to denominations, for 1888-89.*

Religious denominations.	Number of—		
	Schools.	Instructors.	Students.
Baptist.....	16	89	1,283
Free Baptist.....	2	7	62
Roman Catholic.....	20	103	1,051
Lutheran.....	13	47	713
Methodist Episcopal.....	17	78	1,048
Methodist Protestant.....	2	4	24
Methodist Episcopal South.....	1	6	52
German Methodist Episcopal.....	1	2	42
African Methodist Episcopal.....	1	2	8
Presbyterian.....	14	81	886
Cumberland Presbyterian.....	1	6	37
United Presbyterian.....	2	9	81
Reformed Presbyterian.....	1	3	21
Associate Reformed Presbyterian.....	1	4	6
Protestant Episcopal.....	12	67	328
Congregational.....	10	58	445
Universalist.....	3	14	71
Unitarian.....	1	5	37
Christian.....	7	18	315
Reformed.....	5	16	105
Reformed (Dutch).....	1	5	32
New Church.....	1	5	6
Unsectarian.....	4	35	217
United Brethren.....	2	7	63
Jewish.....	1	9	6
Evangelical Association.....	1	3	19
German Evangelical.....	1	3	82
Total.....	141	686	6,989





Illinois.....	17	69	8	77	11,113	221	173	16	69	67,750	.....	940,465	1,073,738	83,989	.....	88,996	189,502
Michigan.....	3	5	.....	5	44	10	2	5	.....	.....	.....	.....	.....	.....	.....	13,462	17,820
Wisconsin.....	5	19	2	21	201	41	32	1	5	20,200	.....	160,000	48,000	3,596	.....	20,311	.....
Minnesota.....	4	22	0	22	210	1	20	3	.....	7,700	.....	153,000	.....	8,947	1,300	.....	.....
Iowa.....	5	11	0	11	125	1	5	3	.....	1,750	.....	25,000	18,000	.....	.....	2,000	.....
Missouri.....	4	13	0	13	250	95	61	1	4	8,457	.....	320,000	.....	.....	065	12,458	9,495
Nebraska.....	2	3	0	3	30	0	1	1	0	550	.....	8,000	7,000	400	.....	2,100	4,200
Kansas.....	1	1	0	1	12	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	.....
WESTERN DIVISION.																	
Colorado.....	1	1	0	1	4	2	1	.....	4	5,500	.....	50,000	10,000	1,240	.....	1,240	.....
California.....	4	15	1	16	49	1	7	6	8	23,100	.....	120,000	535,000	17,700	.....	17,700	49,650
North Atlantic Division.....	44	216	32	278	2,430	781	481	93	374	604,438	64,820	4,510,630	8,234,864	418,811	0,857	609,650	192,548
South Atlantic Division.....	21	101	1	109	1,444	147	172	18	52	121,699	13,275	910,000	875,000	28,550	31,194	81,494	49,400
South Central Division.....	16	53	6	64	587	18	55	8	30	30,900	500	206,000	556,000	30,000	1,062	38,595	70,227
North Central Division.....	55	201	17	218	2,475	504	383	46	116	154,433	.....	1,956,465	1,682,767	126,843	2,265	210,975	268,577
Western Division.....	5	16	1	17	53	3	8	6	12	28,000	.....	170,000	611,000	18,940	.....	18,940	49,650
United States.....	141	622	57	686	6,989	1,453	1,099	171	584	940,090	78,595	7,762,095	11,939,631	623,244	44,378	959,654	630,402

TABLE 19.—*Statistics of schools of theology for 1888-89.*—PART I.

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.				Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.
						Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at commencement of 1889.	Are you authorized by law to confer degrees?				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>ALABAMA.</b>																
1	Talladega.....	Theological Department of Talladega College.	1889	1867	Cong.....	1	0	1	16	0	5	Yes	4	36	0	8
2	Tuscaloosa.....	Institute for Training Colored Ministers.	.....	1876	Presb.....	2	0	2	26	0	3	No.	4	43	0	0
<b>CALIFORNIA.</b>																
3	Oakland.....	Pacific Theological Seminary.....	.....	1869	Cong.....	3	0	3	16	1	3	Yes	3	36	3	8
4	San Fernando.....	Madray College of Theology of the University of Southern California.	.....	.....	M. E.....	3	1	4	12	.....	1	.....	.....	.....	.....	.....
5	San Francisco.....	San Francisco Theological Seminary.	.....	1871	Presb.....	5	0	5	20	.....	3	.....	3	35	3	0
6	Santa Barbara.....	Franciscan College.....	.....	1854	R. C.....	4	0	4	1	.....	.....	.....	.....	.....	.....	.....
<b>COLORADO.</b>																
7	Denver.....	Matthews Hall.....	1880	1873	P. E.....	1	0	1	4	2	1	No.	3	40	.....	4
<b>CONNECTICUT.</b>																
8	Hartford.....	Hartford Theological Seminary...	1834	1863	Cong.....	9	3	12	47	41	7	Yes	3	30	5	25
9	Middletown.....	Berkeley Divinity School.....	1854	1847	P. E.....	5	1	6	29	24	12	Yes	3	36	1	4

10	New Haven.....	Theological Department of Yale University.	Rev. George E. Day, D.D., dean.	1701	1822	Non-sect..	9	5	14	133	112	33	Yes	3, 4	6	20
	DISTRICT OF COLUMBIA.															
11	Washington .....	Theological Department of Howard University.	Rev. James G. Craighead, D.D.	1867	1867	Non-sect.	6	0	6	38	0				1	0
12	do .....	Wayland Seminary .....	Rev. G. M. P. King, D.D.	1865	1865	Baptist...	8	0	8	153		22	No.	3	36	2
	GEORGIA.															
13	Atlanta.....	Gammon School of Theology.....	Rev. Wilbur P. Thirkield, D.D.	1883	1883	M.E.....	4	0	4	71	7	10	Yes	3	32	5
14	do .....	Theological Department of Atlanta Baptist Seminary.	Rev. Samuel Graves, D.D.	1867	1867	Baptist...	5	0	5	147		12	No.	8	40	
15	Macon .....	Theological Department of Mercer University.	Rev. James G. Ryals, D.D.			Baptist...	1	0	1	12						
	ILLINOIS.															
16	Bourbonnais Grove.....	Theological Department of St. Viator's College.	Rev. M. J. Marsile, C.S.V.	1874	1865	R.C.....	3	0	3	20						
17	Chicago .....	Chicago Theological Seminary .....	Rev. Franklin W. Fisk, D.D., LL.D.	1854	1858	Cong.....	12	0	12	145	30	23	Yes	3	32	31
18	do .....	McCormick Theological Seminary of the Presbyterian Church.	David C. Marquis, D.D.	1859	1859	Presb.....	8	0	8	134	108	44	No.	3	30	36
19	do .....	Western Theological Seminary.	Rt. Rev. W. E. McLaren, S.T.D.		1885	P.E.....	2	4	6	16	6	3		3, 5	36	1
20	Eureka .....	Bible Department of Eureka College.	Carl Johann, A.M., LL.D.	1855	1849	Christian.	2	1	3	67	3	1	Yes	4	39	1
21	Evanston .....	Garrett Biblical Institute.....	Rev. Henry B. Ridgeway, D.D.	1851	1854	M.E.....	7	0	7	147	33			3		
22	do .....	Norwegian and Danish Theological School.	Rev. Nels E. Simonsen, A.M., B.D.		1886	M.E.....	1	0	1	24				3		
23	do .....	Swedish Theological Seminary.....	Rev. Albert Ericson, A.M.	1870	1870	M.E.....	1	0	1	24				3		
24	Galena .....	Theological Department of German-English College.	Rev. Fr. Schaub, A.M.	1880	1868	M.E.....	6	0	6	115	1		Yes	3	38	
25	Galesburgh.....	Theological Department of Lombard University.	Rev. Nehemiah White, Ph.D.	1869	1881	Univ.....	4	1	5	10		2	Yes	3, 4	38	
26	Lebanon.....	Theological Department of McKendree College.	Rev. I. Villars, D.D.	1834	1834	M.E.....	1	0	1	14					0	0
27	Mendota.....	Warburg Seminary .....	Rev. S. Frieschel, D.D.		1853	Lutheran.	3	0	3	48		17		3	40	1
28	Moigan Park.....	Baptist Union Theological Seminary.	Rev. George W. Northrup, D.D., LL.D.	1867	1867	Baptist...	9	1	10	133	26	38	Yes	3	30	1
29	Naperville.....	Union Biblical Institute.	Bishop J. J. Esler	1874	1876	Ev. Ass'n	2	1	3	19	1	3	Yes	3	39	
30	Rock Island .....	Angustana Theological Seminary.	Rev. T. N. Hasselquist, D.D.	1865	1860	Lutheran.	3	0	3	41	13	20		2	32	0
31	Springfield .....	Concordia Seminary .....	A. Cremer	1879	1874	Lutheran.	4	0	4	155		22		5	43	
32	Upper Alton.....	Theological Department of Shurtleff College.	Rev. A. A. Kendrick, D.D.	1835	1827	Baptist...	1	0	1						0	
	INDIANA.															
33	Greencastle .....	School of Theology of De Pauw University.	S. L. Bowman, A.M., S.T.D., dean.	1837	1834	M.E.....	5	1	6	70	3	4	Yes	3		0

a Two of these are but partially endowed.



TABLE 19.—Statistics of schools of theology for 1888-89.—PART I—Continued.

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.			Are you authorized by law to confer degrees?	Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.
						Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at commencement of 1889.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
INDIANA—continued.																
34	Merom .....	Bercan Department, Union Christian College.	Rev. L. J. Aldrich, A. M., D. D.	1859	Christian.	1	2	3	16	3	.....	.....	3	36	1	.....
35	St. Meinrad .....	St. Meinrad's Ecclesiastical Seminary.	Rt. Rev. Fintan Mundwiler, O. S. B.	1857	R. C .....	5	0	5	56	.....	18	No.	6	40	.....	.....
IOWA.																
36	Davenport .....	Theological Department of Grissold College.	Rev. W. S. Perry, D. D., LL. D., D. C. L.	1859	P. E .....	3	0	3	3	1	.....	.....	.....	.....	2	2
37	Des Moines .....	Bible Department of Drake University.	David R. Dungan, A. M., dean.	1881	Christian.	2	0	2	60	.....	.....	.....	3	.....	0	0
38	Dubuque .....	German Presbyterian Theological School of the Northwest.	G. Moery, clerk of the faculty.	1852	Presb .....	4	0	4	30	.....	5	No.	7	32	a1	1
39	Mt. Pleasant .....	German College .....	Rev. John Schlagenhauf .....	1873	M. E .....	1	0	1	20	.....	.....	.....	3	36	.....	.....
40	Oskaloosa .....	Bible Department of Oskaloosa College.	J. A. Beattie, A. M. ....	1855	Christian.	1	0	1	12	.....	.....	.....	4	.....	.....	.....
KANSAS.																
41	Wichita .....	Theological Department of Garfield University.	Alvin I. Hobbs, A. M., LL. D., dean.	1886	Christian.	1	0	1	12	.....	.....	.....	3	.....	0	0
KENTUCKY.																
42	Danville .....	Danville Theological Seminary .....	Stephen Yerkes, senior professor.	1854	Presb .....	6	0	6	3	.....	2	No.	3	34	4	7
43	Lexington .....	College of the Bible .....	Robert Graham, A. M. ....	1877	Christian.	3	0	3	129	.....	10	No.	4	40	a3	.....

			1858	1859	Baptist...	6	0	6	105	12	Yes	34	1	0
44	Louisville	Southern Baptist Theological Seminary.	John A. Broadus.....	1858	Baptist...	6	0	6	105	12	Yes	34	1	0
	LOUISIANA.													
45	New Orleans	Gilbert Haven School of Theology (New Orleans University).	Rev. L. G. Adkinson, D. D....	1873	M. E.....				9	0			0	0
46	do	Theological Department of Leland University.	Rev. Edward C. Mitchell, D. D....	.....	Baptist...	2	0	2	30					
47	do	Theological Department of Straight University.	Rev. R. C. Hitchcock, D. D....	1869	Non-sect..	5	0	5	20			4	0	0
	MAINE.													
48	Bangor	Bangor Theological Seminary.....	Rev. Levi L. Paine, D. D.....	1814	Cong.....	5	0	5	33	3	11 No.	3	36	4
49	Lewiston	Bates College Theological Seminary.	Rev. Oren B. Cheney, D. D....	.....	Free Bapt.	4	0	4	26		Yes	3		
	MARYLAND.													
50	Baltimore	Centenary Biblical Institute.....	Rev. Francis J. Wagner, A. M....	1867	M. E.....	15	0	15	195		8	7	35	
51	do	Theological Seminary of St. Sulpice and St. Mary's University.	Rev. A. Magnien, S. S., D. D....	1894	R. C.....	9	0	9	170	60	42 Yes	6	40	0
52	Ithaca	Scholarship of the Congregation of the Most Holy Redeemer, Mount St. Clement.	Rev. Eugene Grimm, C. S. S. R....	.....	R. C.....	6	0	6	80			6		
53	Mount St. Mary's P. O.	Mount St. Mary's Ecclesiastical Seminary.	Very Rev. Edward P. Allen, D. D....	1830	R. C.....	8	0	8	31	12	6 Yes	6		0
54	Westminster	Westminster Theological Seminary.	James Thomas Ward, D. D., F. S. S. C.	1884	Meth. Prof	4	0	4	24		8 Yes	3	20	0
	MASSACHUSETTS.													
55	Andover	Andover Theological Seminary....	Rev. Egbert C. Smyth, D. D....	1807	Cong.....	9	2	11	42	38	8 No.	3	40	9
56	Boston	Boston University School of Theology.	William F. Warren, S. T. D....	1869	M. E.....	13	0	13	130	79	Yes	3		2
57	Cambridge	Divinity School of Harvard University.	Charles C. Everett, D. D., Dean.	1050	Non-sect..	10	0	10	26	22	3 Yes	3	4	
58	do	Episcopal Theological School....	Rev. George Z. Gray, D. D....	1867	P. E.....	7	0	7	57	24	7 Yes	3	36	0
59	do	New Church Theological School....	Rev. John Worcester.....	.....	Non Ch....	2	3	5	6	1	3 No.	3	31	0
60	College Hill	Tufts College Divinity School....	Elmer Hewitt Capon, D. D....	1852	Univ.....	5	0	5	35		Yes	3-4	1	1
61	Newton Centre	Newton Theological Institution....	Alvah Hovey, D. D., LL. D....	1826	Baptist...	6	1	7	70	43	20 No.	3	33	1
	MICHIGAN.													28
62	Adrian	School of Theology (Adrian College)	George B. McElroy, acting president.	1859	Meth. Prof								1	
63	Hillsdale	Theological Department of Hillsdale College.	Hon. George F. Mosher, A. M....	1855	F. W. Bap.	3	0	3	36	3	Yes	3	3	0
64	Holland	Western Seminary of the Reformed Church of America.	Rev. Nicholas M. Steffens, D. D.	1890	Reformed.	2	0	2	8	7	2	3	34	1
	MINNESOTA.													
65	Collegeville	St. John's University, Ecclesiastical Course.*	Alexis Edelbrock, O. S. B....	1857	R. C.....	3	0	3	35					

a Partially.

\* Statistics of 1887-88.

TABLE 19.—*Statistics of schools of theology for 1888-89.*—PART I—Continued.

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.				Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.
						Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or sci-ence.	Number of graduates at commencement of 1889.	Are you authorized by law to confer degrees?				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MINNESOTA—cont'd.																
66 Fairbault.....	Seabury Divinity School.....	Rt. Rev. H. B. Whipple, D. D., L. D.	1860	1860	P. E. ....	11	0	11	33	1	7	Yes	3	36	1	....
67 Minneapolis.....	Augsburg Seminary.....	Rev. Georg Sverdrup.....	1869	1869	Lutheran	2	0	2	42	....	9	....	....	....	....	....
68 Red Wing.....	Red Wing Norwegian Evangelical Lutheran Seminary.	O. S. Meland.....	1878	1879	Lutheran	6	0	6	100	....	4	....	7	....	....	....
MISSOURI.																
69 Cape Girardeau.....	St. Vincent's College and Theolog- ical Seminary.	Very Rev. Francis V. Nu- gent, C. M.	1843	1843	R. C. ....	3	0	3	11	....	....	....	6	40	0	0
70 St. Louis.....	Concordia College (seminary).....	Francis A. O. Pieper.....	1853	1859	Luth. ....	5	0	5	115	95	35	Yes	3	40	0	0
71 do.....	Eden College.....	Rev. Louis Haeberte.....	1850	1850	Ger. Ev. ....	3	0	3	82	....	26	....	3	39	....	....
72 Warrenton.....	Theological Department of Cen- tral Wesleyan College.	Rev. Herman A. Koch, D. D.	1865	1864	Ger. M. E.	2	0	2	42	....	....	....	....	....	1	4
NEBRASKA.																
73 Crete.....	German Congregational Theologi- cal Seminary.	Dodge Smith.....	1882	1878	Cong. ....	2	0	2	6	0	1	No.	4	40	1	0
74 Santee Agency.....	Theological Institute.....	Alfred L. Riggs.....	....	1870	Cong. ....	1	0	1	24	0	....	Yes	....	9	0	0
NEW JERSEY.																
75 Bloomfield.....	German Theological School of Newark.	Rev. Charles E. Knox, D. D.	....	1869	Presb. ....	4	0	4	25	0	5	No.	7	36	1	....





TABLE 19.—*Statistics of schools of theology for 1888-89.*—PART I—Continued.

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.				Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.
						Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at commencement of 1839.	Are you authorized by law to confer degrees?				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
OHIO—continued.																
102 Oberlin .....	Department of Theology, Oberlin College.	Rev. Jas. H. Fairchild, D. D. .	1833	1835	Cong. ....	10	0	10	101	34	16	....	3	....	....	4
103 Tiffin .....	Heidi-berg Theological Seminary.	Rev. David Van Horn, D. D. .	1888	1851	Reformed.	3	0	3	17	7	3	....	2	36	3	....
104 Wilberforce .....	Theological Seminary of Wilber- force University.	Rev. S. T. Mitchell, A. M. ....	1856	1856	A. F. M. E. .	2	0	2	8	....	2	Yes	3	....	0	4
105 Xenia .....	United Presbyterian Theological Seminary of Xenia.	Rev. James Harper, D. D. ....	1877	1794	Un. Presb.	3	1	4	29	24	10	No.	3	30	3	0
PENNSYLVANIA.																
106 Allegheny .....	Theological Seminary of the Re- formed Presbyterian Church.	D. B. Willson .....	.....	1858	Ref. Presb	3	0	3	21	18	7	No.	4	26	3	....
107 ... do .....	Theological Seminary of the Uni- ted Presbyterian Church.	Alexander Young, D. D., LL. D.	1830	1825	Un. Presb.	5	0	5	52	49	14	No.	3	30	0	0
108 ... do .....	Western Theological Seminary of the Presbyterian Church.	Rev. W. H. Jeffers, D. D., LL. D., acting president.	1844	1827	Presb. ....	6	0	6	75	70	18	No.	3	31	5	41
109 Beatty .....	Theological Course in St. Vincent's College.	Rt. Rev. A. Hintenach, O. S. B.	1870	1846	R. C. ....	6	0	6	46	....	....	....	3	....	....	....
110 Bethlehem .....	Moravian Theological Seminary .	Rev. Augustus Schultze ....	1863	1807	U. B. ....	4	0	4	29	7	0	Yes	6	40	0	....
111 Collegeville .....	Theological Department of Ursi- nus College.	Rev. J. H. A. Bomberger, D. D., LL. D.	1869	1871	Reformed.	5	0	5	11	6	....	....	3	36	0	0
112 Gettysburgh .....	Theological Seminary of the Gen- eral Synod of the Evangelical Lutheran Church in the United States.	Rev. Milton Valentine, D. D., LL. D.	1826	1826	Lutheran .	4	1	5	50	40	15	No.	4	39	3	2





TABLE 19. — *Statistics of schools of theology for 1888-89.*—PART I—Continued.

Location.	Name.	President.	Date of charter.	Year of first opening.	Religious denomination.	Professors and instructors.			Students.			Are you authorized by law to confer degrees?	Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.
						Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at commencement of 1889.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
VIRGINIA.																
134	Hampden Sidney....	Union Theological Seminary.....	1867	1824	Presb.....	5	0	5	67	43	19	No.	3	36	3	18
135	Richmond.....	Richmond Theological Seminary.....	1885	1867	Baptist....	4	0	4	63	0	2	Yes	3	36	.....	.....
136	Theological Seminary.	Protestant Episcopal Theological Seminary of Virginia.	1854	1823	P. E. ....	6	0	6	53	.....	11	No.	3	40	5	.....
WISCONSIN.																
137	Franklin.....	Mission House.....	1868	1862	Reformed..	3	0	3	28	22	7	Yes	3	40	0	.....
138	Milwaukee.....	Lutheran Theological Seminary of the Synod of Wisconsin.	1864	1878	Lutheran..	3	0	3	34	12	12	.....	3	40	.....	.....
139	Nashotah.....	Nashotah House.....	1847	1842	P. E. ....	4	2	6	23	6	8	Yes	3	37	1	5
140	Prairie du Chien.....	Sacred Heart College.....	1881	1880	R. C. ....	4	0	4	16	1	5	.....	4	10	.....	.....
141	St. Francis.....	Seminary of St. Francis of Sales ..	.....	1856	R. C. ....	5	0	5	100	.....	.....	.....	.....	.....	0	0



TABLE 19.—*Statistics of schools of theology for 1888-89.*—PART II—Continued.

	Name.	18	19	20	21	22	23	24	25
	2	18	19	20	21	22	23	24	25
	ILLINOIS—continued.								
22	Norwegian and Danish Theological School.....								
23	Swedish Theological Seminary.....			\$8,000					
24	Theological Department of German-English College.....	600							\$10,000
25	Theological Department of Lombard University.....								
26	Theological Department of McKendree College.....								
27	Wartburg Seminary.....	5,000		10,000	\$11,054	\$579	0	\$5,586	4,159
28	Baptist Union Theological Seminary.....	30,060		70,465	223,735	20,000	0	20,000	
29	Union Biblical Institute.....	350			28,000	2,200		2,200	
30	Augustana Theological Seminary.....								
31	Concordia Seminary.....	3,000		25,000					
32	Theological Department of Shurtleff College.....	800							
	INDIANA.								
33	School of Theology of De Pauw University.....								
34	Berean Department, Union Christian College.....	275							
35	St. Meinrad's Ecclesiastical Seminary.....	8,000							
	IOWA.								
36	Theological Department of Griswold College.....								
37	Bible Department of Drake University.....								
38	German Presbyterian Theological School of the Northwest.....								
39	German College.....	1,750		25,000	18,000			2,000	
40	Bible Department of Oskaloosa College.....								
	KANSAS.								
41	Theological Department of Garfield University.....								
	KENTUCKY.								
42	Danville Theological Seminary.....	10,000	0	8,000	206,000	10,500	0	10,500	0
43	College of the Bible.....	1,500			50,000	3,500	0	4,145	5,500
44	Southern Baptist Theological Seminary.....	16,000		140,000	300,000	16,000	0	223,000	60,000
	LOUISIANA.								
45	Gilbert Haven School of Theology (New Orleans University).....				0	0		0	0



[illegible]

\* Statistics of 1887-88.

TABLE 19.—*Statistics of schools of theology for 1888-89.*—PART II—Continued.

Name.	18	19	20	Amount of productive funds.	Income from productive funds.	Receipts from tuition fees.	Total income.	Benefactions.
2	18	19	20	21	22	23	24	25
NEW JERSEY.								
German Theological School of Newark.....	3,806	\$500	\$20,000	\$33,000		0	\$9,020	\$5,000
Drew Theological Seminary.....	35,000		300,000	270,000		0	24,589	25,000
Theological Seminary of the Reformed (Dutch) Church in America.....	41,000	0	300,000	350,000	\$18,000	0	18,000	0
Theological Seminary of the Presbyterian Church.....	50,449		400,000	1,091,771	60,151	0	64,046	7,375
Diocesan Seminary of the Immaculate Conception.....								
College of the Sacred Heart and Theological Seminary.....								
NEW YORK.								
St. Bonaventure's Seminary.....	17,313		200,000	532,092	32,283		35,230	11,928
Anbura Theological Seminary.....	8,000		50,000	113,000	6,780		6,780	
Canlon Theological Seminary.....	15,000	75	125,000	150,000	9,000	0	24,000	20,500
Hamilton Theological Seminary.....								
Hartwick Seminary, Theological Department.....	19,114	0	750,000	484,254	9,192	0	21,998	35,000
General Theological Seminary of the Protestant Episcopal Church.....	50,000		685,000	950,000	55,000		65,000	7,500
Union Theological Seminary.....								
Theological Department of Niagara University.....	23,904		102,827	502,637	30,563		45,430	5,478
Rochester Theological Seminary.....	2,000		40,000	23,300	1,392		4,020	1,370
Christian Biblical Institute.....	9,000	500	200,000					
St. Joseph's Provincial Seminary.....								
NORTH CAROLINA.								
Theological Department of Biddle University.....	1,500		25,000	0			\$275	
Theological Department of St. Augustine's Normal School.....								
Theological Department of Shaw University.....								
OHIO.								
Theological Department of German Wallace College.....						0		0
Hebrew Union College.....	8,500		30,000	60,000			18,000	20,000
Lane Theological Seminary.....	16,000		200,000	286,000	19,000	0	19,000	10,000
St. Mary's Theological Seminary.....	3,000		75,000	0	0	0	10,000	0
German Lutheran Seminary.....								
Union Biblical Seminary.....	1,200		30,000	70,000	4,000	0	15,337	17,310
Theological Seminary of the Protestant Episcopal Church in the diocese of Ohio.....	7,000					0		
Department of Theology, Oberlin College.....								
Reidberg Theological Seminary.....				26,009	2,211	0	4,211	

104	Theological Seminary of Wilkesforce University	4,051	0	15,000	74,000	4,700	0	5,100	250
105	United Presbyterian Theological Seminary of Xenia								
PENNSYLVANIA.									
106	Theological Seminary of the Reformed Presbyterian Church	3,100		25,000	62,350	2,923	0	6,172	6,469
107	Theological Seminary of the United Presbyterian Church		25	80,000	133,000	8,000	0	9,500	
108	Western Theological Seminary of the Presbyterian Church	20,000	0	175,000	472,185	30,140	0	30,140	4,000
109	Theological course in St. Vincent's College								
110	Moravian Theological Seminary	6,000		18,000	75,000	4,400	0	6,700	1,000
111	Theological Department of Ursinus College								
112	Theological Seminary of the General Synod of the Evangelical Lutheran Church in the United States	11,500		75,000	92,000	5,400	0	5,000	
113	Theological Seminary of the Reformed Church in the United States	10,000							
114	Meadville Theological School	18,000		17,000	175,000	7,565		10,000	1,800
115	Philadelphia Theological Seminary of St. Charles Borromeo	22,000					a 9,857	9,857	
116	St. Vincent's Seminary	10,000					0		
117	Theological Seminary of the Evangelical Lutheran Church at Philadelphia	17,000		80,000	123,026	6,214		6,864	865
118	Missionary Institute	1,500		15,000			0		2,700
119	Crozer Theological Seminary	9,600	0	125,000	350,000	23,000		23,000	
120	Ecclesiastical Department of Villanova College								
SOUTH CAROLINA.									
121	Benedict Institute	1,500	1,000	50,000	33,000				
122	Theological Department of Allen University								
123	Theological Seminary of the General Assembly of the Presbyterian Church in the United States	20,000	0	40,000	235,000		0	12,000	0
124	Associate Reformed Theological Seminary	2,500							
125	Theological Seminary of the South, Newberry College				25,000	2,000		2,000	
TENNESSEE.									
126	Theological Department of Chattanooga University								
127	Theological School of Cumberland University								
128	Theological course in Fisk University								
129	Theological Department of Central Tennessee College								
130	Theological Department of Roger Williams University								
131	Theological Department of Vanderbilt University								
132	Theological Department of the University of the South								
TEXAS.									
133	Theological Department of Bishop College	700	500	50,000			1,062	1,950	422
VIRGINIA.									
134	Union Theological Seminary	14,500		100,000	287,000	18,000		18,300	20,000
135	Richmond Theological Seminary	4,000	200	30,000	60,000		469	469	
136	Protestant Episcopal Theological Seminary of Virginia	14,000							

\* From preparatory department.

\* Statistics of 1887-88.





TABLE 20.—Summary of statistics of schools of law for 1888-89.

State.	Professors and instructors.				Students.				Number of scholarships.	Number of volumes in libraries.	Receipts from tuition fees.	Total income.
	Number of schools.	Resident.	Non-resident.	Total.	Total number.	Number who had received a degree in letters or science.	Number of graduates at the commencement of 1889.	Number of endowed professorships.				
1	2	3	4	5	6	7	8	9	10	11	12	13
NORTH ATLANTIC DIVISION.												
Massachusetts.....	2	31	0	31	370	201	4	4	38,000			
Connecticut.....	1	21	0	21	106	38	40	1	9,000			
New York.....	5	48	15	63	736	261	241	8	12,541	\$16,829		\$16,829
Pennsylvania.....	1	5	0	5	144	44	48	0	4,200			
SOUTH ATLANTIC DIVISION.												
Maryland.....	1	7	0	7	108	14	33	0	0	8,485	8,485	
District of Columbia.....	4	29	1	30	566	50	242	1	325	6,985	6,985	
Virginia.....	2	5	0	5	23	35	0	1				
West Virginia.....	1	2	0	2	19	7	0	0				
North Carolina.....	2	3	0	3	31	5	0	0	600	675	3,000	
South Carolina.....	2	2	0	2	26	4	11					
Georgia.....	3	8	6	14	32	31				50	50	
SOUTH CENTRAL DIVISION.												
Kentucky.....	1	3	0	3	29	12	0	0		2,240	2,240	
Tennessee.....	3	11	0	11	101	8	51					
Alabama.....	1	3	0	3	19	8	15	0	0	600		
Mississippi.....	1	1	0	1	17	4	15	0		1,500		
Louisiana.....	2	11	0	11	60	34	0	0				
Texas.....	1	2	0	2	91	33						
NORTH CENTRAL DIVISION.												
Ohio.....	1	5	0	5	151	35	92	0	10	4,100	10,900	18,000
Indiana.....	2	9	0	9	59	12	0	0				
Illinois.....	4	23	0	23	194	24	82			1,000		
Michigan.....	1	11	0	11	401	58	147	0	0	9,951		
Wisconsin.....	1	7	7	14	119		0	0				
Minnesota.....	1	18	0	18	67		0	0				
Iowa.....	2	17	0	17	126	23	39	0	0	3,908		
Missouri.....	2	11	0	11	141	19	19	1				
Kansas.....	2	12	0	12	63	2	11	0	0			
WESTERN DIVISION.												
Oregon.....	2	7	0	7	40	12	7	0	0	70		
California.....	1	4	0	4	67	38	11	0	0			
North Atlantic Division.....	9	105	15	120	1,356	544	329	5	14	63,741	16,829	16,829
South Atlantic Division.....	15	56	7	63	805	73	359	1		925	16,195	18,520
South Central Division.....	9	31	0	31	317	20	160			2,100	2,240	2,240
North Central Division.....	16	113	7	120	1,321	142	402	11		18,959	10,900	18,000
Western Division.....	3	11	0	11	107	50	18	0	0	70		
United States.....	52	316	29	345	3,906	829	1,268	5	26	85,795	46,164	55,589

TABLE 21.—Statistics of schools

	Location.	Name.	President or dean.	Date of charter.	Year of first opening.
	1	2	3	4	5
1	University, Ala.....	Law School of the University of Alabama.	Henry D. Clayton, LL. D.....	1819	1872
2	San Francisco, Cal....	Hastings College of Law (University of California).	Robert P. Hastings, LL. B., dean.	1868	1878
3	New Haven, Conn...	Law Department of Yale University.	Hon. Francis Wayland, LL. D., dean.	1701	1824
4	Washington, D. C.....	Columbian University Law School.	James C. Welling, LL. D.....	1821	1862
5	....do .....	Law Department of Georgetown University.	Charles W. Hoffman, LL. D., dean.	.....	1870
6	....do .....	Law Department of Howard University.	B. F. Leighton .....	1867	1867
7	....do .....	National University Law Department.*	Campbell W. Bushnell, treasurer.	1870	1870
8	Athens, Ga .....	Law Department in University of Georgia.	W. E. Boggs, D. D., chancellor.	1784	1857
9	Macon, Ga .....	Law Department of Mercer University.	Hon. Emory Speer, LL. B .....	.....	.....
10	Oxford, Ga.....	Law Department of Emory College.	W. A. Candler, D. D.....	1884	1888
11	Bloomington, Ill .....	Bloomington Law School (Illinois Wesleyan University).	William H. Wilder.....	1853	1874
12	Chicago, Ill .....	Union College of Law of Northwestern University.	Hon. Henry Booth, LL. D., dean.	1851	1859
13	Lebanon, Ill .....	Law Department of McKendree College.	Rev. I. Villars, D. D.....	1834	1860
14	Quincy, Ill.....	Law Department of Chaddock College.	Marquis D. Hornbeck, A. M.	1876	1880
15	Greencastle, Ind.....	Law Department of De Pauw University.	Alexander Martin, D. D., LL. D.	1837	1853
16	Notre Dame, Ind.....	Law Department of University of Notre Dame.*	Very Rev. Thomas E. Walsh, C. S. C.	.....	1869
17	Des Moines, Iowa.....	Iowa College of Law (Drake University).	G. T. Carpenter, A. M.....	1881	1881
18	Iowa City, Iowa .....	Law Department State University of Iowa.	Charles A. Schaeffer, A. M., PH. D.	1847	1868
19	Lawrence, Kans .....	Law School of University of Kansas.	J. A. Lippincott, D. D., LL. D.	1864	1878
20	Wichita, Kans .....	Law School of Garfield University.	Christopher Reed, A. M., LL. B., dean.	1886	1888
21	Louisville, Ky .....	Law Department of University of Louisville.	James S. Pirtle .....	1846	1846
22	New Orleans, La.....	Law Department of Straight University.	Rev. R. C. Hitchcock, D. D...	1869	1870
23	....do .....	Law Department of Tulane University.	Henry Carleton Miller, dean.	.....	1847
24	Baltimore, Md .....	School of Law of the University of Maryland.	Severn Teackle Wallis, LL. D.	1812	1870
25	Boston, Mass .....	Boston University School of Law.	Edmund H. Bennett, LL. D., dean.	1869	1872
26	Cambridge, Mass .....	Law School of Harvard University.	Christopher C. Langdell, LL. D., dean.	1650	1817
27	Ann Arbor, Mich.....	Law Department of University of Michigan.	Henry Wade Rogers, A. M., dean.	1837	1850
28	Minneapolis, Minn....	College of Law, University of Minnesota.	Cyrus Northrop, LL. D.....	1851	1888
29	University, Miss.....	Department of Law, University of Mississippi.	Edward Mayes, LL. D., F. S. SC.	1844	1843
30	Columbia, Mo.....	Law Department, State University of Missouri.	S. S. Laws, LL. D.....	1839	1872

\* Statistics of 1887-88.

a For the course of two years.



of law for 1888-89.

Professors and instructors.			Students.			Is any examination required for admission?	Are graduates of your school admitted to practice in the State without further examination?	Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.	Number of volumes in library.	Annual charge for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Receipts from tuition fees.	Total income.	
Resident.	Non-resident.	Total.	Total number.	Number holding a degree in letters or science.	Number of degrees conferred in course in 1888-89.													
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
3	0	3	19	8	15	.....	Yes.	....	38	0	0	600	\$50	....	....	....	....	1
4	0	4	67	38	11	Yes.	Yes.	3	....	0	0	....	0	....	....	....	....	2
21	0	21	106	38	40	.....	Yes.	2	....	1	....	9,000	100	....	\$5	....	....	3
8	0	8	202	....	73	No.	No.	2	34	0	0	....	80	....	2	....	....	4
10	0	10	204	....	96	No.	No.	2	....	0	0	....	80	....	5	....	....	5
5	0	5	22	1	6	....	No.	2	....	....	....	75	40	....	5	\$600	\$600	6
6	1	7	128	49	67	No.	No.	3	33	0	0	250	80	0	3	6,385	6,385	7
3	6	9	31	....	20	No.	Yes.	1	....	0	0	....	75	0	....	....	....	8
3	0	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	9
2	0	2	1	0	1	Yes.	Yes.	1	32	0	0	....	50	\$5	10	50	50	10
7	0	7	39	....	12	No.	Yes.	2	36	0	0	1,000	60	....	5	....	....	11
5	0	5	137	24	64	Yes.	Yes.	2	....	0	0	....	80	....	10	....	....	12
1	0	1	11	....	2	....	Yes.	2	....	....	....	....	37	....	....	....	....	13
10	0	10	7	....	4	Yes.	Yes.	2	....	....	....	....	20	0	5	....	....	14
4	0	4	24	....	12	No.	....	2	....	0	0	....	40	10	....	....	....	15
5	0	5	35	....	....	....	Yes.	3	....	0	0	....	....	....	....	....	....	16
10	0	10	14	....	....	No.	Yes.	2	....	0	0	....	50	....	5	....	....	17
7	0	7	112	23	39	....	Yes.	2	37	0	0	3,908	50	....	7	....	....	18
3	0	3	51	....	11	Yes.	....	2	32	0	0	....	25	....	5	....	....	19
9	0	9	12	2	....	Yes.	....	2	....	0	0	....	40	....	5	....	....	20
3	0	3	29	....	12	....	Yes.	2	29	0	0	....	80	....	....	2,240	2,240	21
5	0	5	8	....	....	....	Yes.	2	....	0	0	....	a 75	....	5	....	....	22
6	0	6	52	....	34	....	Yes.	2	....	0	0	....	80	0	0	....	....	23
7	0	7	108	14	33	No.	Yes.	3	36	0	0	....	80	4	10	8,485	8,485	24
23	0	23	153	47	....	Yes.	No.	3	....	0	10	15,000	100	....	10	....	....	25
8	0	8	217	154	27	Yes.	No.	3	....	4	....	23,000	150	....	....	....	....	26
11	0	11	401	58	147	Yes.	....	2	....	0	0	9,951	b 25	c 10	10	....	....	27
18	0	18	67	....	....	Yes.	....	2	....	0	0	....	75	....	....	....	....	28
1	0	1	17	4	15	....	Yes.	2	36	0	....	1,500	50	....	0	....	....	29
3	0	3	60	....	....	No.	Yes.	2	....	0	1	....	40-50	....	5	....	....	30

b For residents; \$35 for non-residents.

c For residents; \$25 for non-residents.

TABLE 21.—*Statistics of schools*

	Location.	Name.	President or dean.	Date of charter.	Year of first opening.
	1	2	3	4	5
31	St. Louis, Mo .....	St. Louis Law School, Wash- ington University.	Marshall S. Snow, acting chancellor.	1853	1867
32	Albany, N. Y .....	Albany Law School (Union University).	William L. Learned, LL. D. ....		1851
33	Buffalo, N. Y .....	Buffalo Law School of Niag- ara University.	Hon. Charles Daniels, dean .	1883	1887
34	Ithaca, N. Y .....	Law Department of Cornell University.	Douglas Boardman, A. M., dean.	1865	.....
35	New York, N. Y .....	Columbia College Law School.	Henry Drisler, LL. D., acting president.	1754	1858
36	....do .....	Department of Law, Univer- sity of the City of New York.	Rev. Henry M. MacCracken, D. D., LL. D., vice-chancellor.	1821	1858
37	Boone, N. C .....	Colonel Folk's Law School. ....	Col. G. N. Folk .....		1867
38	Chapel Hill, N. C .....	University Law School, Uni- versity of North Carolina.	Hon. Kemp P. Battle, LL. D. ...	1789	1795
39	Cincinnati, Ohio .....	Law School of University of Cincinnati.	Jacob D. Cox, LL. D., dean ...	1819	1813
40	Portland, Oregon .....	Law School of the University of Oregon.	Richard H. Thornton, LL. B., dean.	1876	1884
41	Salem, Oregon .....	College of Law, Willamette University.	Thomas Van Scoy, A. M., D. D.	1853	1884
42	Philadelphia, Pa .....	Law Department, University of Pennsylvania.	William Pepper, M. D., LL. D.	1753	1789
43	Columbia, S. C .....	Law Department of Allen University.	Joseph W. Morris, A. M., LL. B.	1880	1882
44	....do .....	School of Law of University of South Carolina.	J. D. Pope, A. M., dean .....	1801	1884
45	Lebanon, Tenn .....	Law School of Cumberland University.	N. Green, LL. D., chancellor..	1842	1847
46	Nashville, Tenn .....	Law Department of Central Tennessee College.	Edgar L. Gregory, dean .....	1866	1880
47	....do .....	Law Department of Vander- bilt University.	L. C. Garland, LL. D., chan- cellor.	1873	1875
48	Austin, Tex .....	Law Department, University of Texas.	Leslie Waggener, A. M., LL. D., chairman of faculty.	1881	1883
49	Lexington, Va .....	School of Law and Equity, Washington and Lee Uni- versity.	Gen. G. W. C. Lee, LL. D. ....	1782	1867
50	Charlottesville, Va....	Law School, University of Virginia.	William M. Thornton, chair- man of the faculty.	1819	1825
51	Morgantown, W. Va ..	Law Department of West Virginia University.	E. M. Turner, LL. D. ....	1867	1877
52	Madison, Wis .....	Law Department, University of Wisconsin.	I. C. Sloan .....	1848	1863

of law for 1888-89—Continued.

Professors and instructors.			Students.			Is any examination required for admission?	Are graduates of your school admitted to practice in the State without further examination?	Number of years in course of study.	Number of weeks in scholastic year.	Number of endowed professorships.	Number of scholarships.	Number of volumes in library.	Annual charge for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Receipts from tuition fees.	Total income.	
Resident.	Non-resident.	Total.	Total number.	Number holding a degree in letters or science.	Number of degrees conferred in course in 1888-89.													
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
8	0	8	81	....	19	Yes.	Yes.	2	30	....	....	....	\$80	....	....	....	....	31
9	0	9	43	16	25	Yes.	No.	2	38	0	0	1,215	150	0	\$10	\$5,271	\$5,271	32
20	1	21	9	0	8	Yes.	No.	2	34	0	2	0	100	0	0	1,558	1,558	33
7	6	13	85	10	36	Yes.	No.	2	....	0	0	5,326	75	....	5	....	....	34
9	0	9	492	235	172	Yes.	No.	2	....	....	<sup>a</sup> 3	....	150	\$5	25	....	....	35
3	8	11	107	....	....	....	No.	2	35	....	3	6,000	100	....	10	10,000	10,000	36
1	0	1	9	5	....	....	No.	....	....	0	0	600	75	....	....	675	3,000	37
2	0	2	22	....	....	....	No.	2	....	0	0	....	....	....	....	....	....	38
5	0	5	151	35	92	No.	Yes.	2	33	0	10	4,100	75	....	5	10,900	18,000	39
4	0	4	34	12	7	No.	No.	2	30	0	0	70	60	....	10	....	....	40
3	0	3	6	....	....	Yes.	....	2	....	0	0	....	50	....	5	....	....	41
5	0	5	144	44	48	Yes.	No.	3	....	0	6	4,200	100	5	....	....	....	42
1	0	1	5	....	....	Yes.	....	....	....	....	....	....	....	....	....	....	....	43
1	0	1	21	4	11	Yes.	....	2	....	0	0	....	40	....	5	....	....	44
2	0	2	57	....	38	....	....	....	....	....	....	....	....	....	....	....	....	45
5	0	5	7	....	....	Yes.	....	2	36	0	0	....	30	....	....	....	....	46
4	0	4	37	8	13	....	Yes.	2	....	0	0	....	100	....	....	....	....	47
2	0	2	91	....	33	Yes.	No.	2	....	....	....	....	0	....	....	....	....	48
3	0	3	23	....	13	....	....	2	36	0	1	....	75	....	....	....	....	49
2	0	2	(b)	....	22	....	....	2	36	0	0	....	80	25	....	....	....	50
2	0	2	19	....	7	....	Yes.	1	36	0	0	....	20	....	....	....	....	51
7	7	14	119	....	....	Yes.	Yes.	2	....	0	0	....	75	....	....	....	....	52

<sup>a</sup> Fellowships.<sup>b</sup> Reported with classical department.





Michigan.....	2	64	0	64	540	54	155	0	5,705	5,000	100,000	5,000	480	1,800	2,800	.....
Minnesota.....	2	52	1	53	136	91	229	0	3,100	20,400	238,000	0	0	53,700	55,815	50,024
Missouri.....	9	141	3	145	723	1	7	0	2,100	1,000	35,000	0	0	1,200	1,200	0
Nebraska.....	1	14	3	17	23	16	27	0	2,000	65,000	550,000	6,000	300	4,000	4,000	0
New Hampshire.....	9	271	35	306	2,402	271	637	1	7,400	550,000	550,000	6,000	300	65,265	74,035	23,965
New York.....	1	7	0	7	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Carolina.....	10	147	29	176	838	48	230	0	5,200	10,800	470,000	6,000	480	20,215	21,940	5,000
Ohio.....	2	28	0	28	210	1	18	0	13,000	13,000	185,000	104,000	7,446	28,500	37,561	.....
Oregon.....	5	184	.....	229	1,404	320	442	2	0	2,000	12,000	0	0	4,000	4,000	0
Pennsylvania.....	1	11	0	11	76	24	0	61	800	2,000	15,000	0	0	10,000	10,000	0
South Carolina.....	4	55	0	55	674	24	220	0	0	10,000	50,000	0	0	1,400	1,400	8,000
Tennessee.....	1	11	0	11	9	1	0	0	0	1,500	100,000	.....	.....	6,000	6,000	.....
Texas.....	2	24	1	25	230	45	80	0	.....	.....	.....	.....	.....	1,875	1,875	.....
Vermont.....	2	23	0	23	43	1	38	.....	.....	.....	.....	.....	.....	2,915	2,915	.....
Virginia.....	2	23	0	23	43	1	38	.....	.....	.....	.....	.....	.....	2,915	2,915	.....
Total.....	92	1,719	143	1,907	12,238	1,212	3,206	3	55,151	215,100	2,523,000	124,000	11,076	24,820	239,584	87,139
3. Eclectic.																
California.....	1	11	0	11	31	.....	10	.....	1	150	500	20,000	.....	3,000	3,000	.....
Georgia.....	1	7	0	7	41	12	19	.....	4	500	5,000	20,000	.....	2,500	4,175	1,000
Illinois.....	1	14	4	18	97	28	37	0	.....	.....	.....	30,000	.....	6,500	6,500	.....
Indiana.....	1	13	0	13	21	3	8	0	25	300	.....	.....	.....	1,200	1,200	.....
Iowa.....	1	6	4	10	27	.....	12	.....	80	1,000	10,000	.....	.....	4,875	4,875	2,200
Missouri.....	1	16	0	16	63	.....	12	.....	0	40,000	80,000	0	0	5,500	10,700	2,000
New York.....	1	14	7	21	76	2	12	0	.....	8,500	.....	.....	.....	4,500	6,000	0
Ohio.....	2	16	4	20	308	5	80	0	.....	.....	.....	.....	.....	26,513	26,513	5,200
Total.....	9	97	19	116	639	50	186	.....	42	1,039	15,500	200,000	.....	28,135	.....	.....
4. Homeopathic.																
California.....	1	16	1	17	31	0	9	.....	0	500	250	.....	.....	3,500	3,500	500
Illinois.....	2	42	3	45	336	35	132	0	1,200	2,000	125,000	0	0	20,500	20,500	.....
Iowa.....	1	7	0	7	29	0	.....	.....	0	.....	.....	.....	.....	.....	.....	.....
Massachusetts.....	1	36	0	36	98	21	8	0	2,500	.....	.....	.....	.....	.....	.....	.....
Michigan.....	1	5	0	5	73	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Minnesota.....	1	13	0	13	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	.....	.....
Missouri.....	2	25	0	25	58	15	15	0	.....	500	20,000	.....	.....	3,300	3,700	.....
New York.....	2	28	20	48	166	22	43	0	3,100	2,000	240,000	.....	.....	9,434	9,434	.....
Ohio.....	2	30	1	31	170	12	48	.....	6,500	25,000	85,000	.....	.....	7,495	7,495	.....
Pennsylvania.....	1	21	1	22	198	18	65	.....	6	6,500	163,618	124,000	6,422	25,000	18,413	15,504
Total.....	14	223	26	249	1,159	116	312	.....	22	14,144	29,750	633,618	6,422	25,000	62,642	16,004
5. Physio-medical.																
Illinois.....	1	5	6	11	15	.....	5	0	.....	250	0	0	0	1,100	1,300	200
Total.....	1	5	6	11	15	.....	5	0	.....	250	0	0	0	1,100	1,300	200

TABLE 22.—Summary of statistics of schools of medicine, of dentistry, and of pharmacy, for 1888-89—Continued.

State or Territory.	Professors and instructors.			Students.				Number of endowed professorships.	Number of scholarships.	Number of volumes in library.	Value of scientific apparatus.	Value of grounds and buildings.	Amount of productive funds.	Income from productive funds.	Amount of State or municipal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
	Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at the commencement of 1889.												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
I.—MEDICAL AND SURGICAL—Continued.																		
6. Graduate.																		
Illinois.....	2	51	2	53	40	.....	25	0	0	0	\$1,850	\$40,000	0	0	0	\$1,067	\$1,067	.....
Missouri.....	1	16	0	16	33	.....	.....	.....	.....	.....	.....	35,000	.....	.....	.....	46,400	56,000	\$19,000
New York.....	2	51	82	133	767	.....	.....	0	0	603	6,500	180,000	.....	.....	.....	.....	.....	.....
Pennsylvania.....	2	6	53	59	69	3	.....	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	7	124	137	261	909	3	25	.....	.....	603	8,350	255,000	.....	.....	.....	47,467	57,067	19,000
II.—DENTAL.																		
California.....	1	29	0	29	29	.....	8	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado.....	1	12	0	12	10	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
District of Columbia.....	3	18	.....	18	25	1	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois.....	3	124	7	131	236	13	94	0	0	150	1,800	20,000	.....	.....	.....	19,450	21,543	500
Indiana.....	1	5	1	6	51	.....	17	0	0	.....	500	.....	.....	.....	.....	4,915	5,478	.....
Iowa.....	1	18	0	18	84	0	21	0	0	21	.....	.....	.....	.....	.....	.....	.....	0
Kentucky.....	1	13	1	14	45	.....	15	0	1	0	1,000	.....	.....	.....	0	.....	.....	0
Maryland.....	2	40	51	91	243	74	83	.....	.....	.....	10,000	.....	.....	.....	\$500	11,000	11,500	500
Massachusetts.....	2	23	.....	39	113	4	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Michigan.....	1	6	0	6	108	3	34	0	0	449	.....	.....	.....	.....	.....	.....	.....	.....
Minnesota.....	1	9	0	9	.....	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Missouri.....	2	41	1	42	80	1	30	0	0	.....	100	.....	.....	.....	.....	2,000	2,000	0
New York.....	1	37	1	38	245	9	70	0	0	.....	2,000	.....	.....	.....	0	26,318	26,318	.....
Ohio.....	1	11	1	12	165	65	.....	0	0	.....	.....	15,000	.....	.....	.....	14,000	14,000	.....
Pennsylvania.....	2	54	0	54	305	12	153	0	4	200	1,000	.....	.....	.....	.....	17,000	17,000	.....



Tennessee	3	24	0	24	106	15	55	0	0	820	10,400	35,000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
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## III.—PHARMACEUTICAL.

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## IV.—VETERINARY.

TABLE 23.—Statistics of schools of medicine, of dentistry and of pharmacy for 1888-89.—PART I.

Location.	Name.	President or dean.	Date of charter.	Year of first opening.	Professors and instructors.			Students.				Number of years in full course of study.	Number of weeks in scholastic year.	Are graduates admitted to practice in the State without further examination?	Is a knowledge of medical botany required for a diploma?	Is chemical laboratory work obligatory upon students?
					Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at the commencement of 1889.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
I.—MEDICAL AND SURGICAL.																
1. Preparatory.																
1	Portland, Me . . . . .	Portland School for Medical Instruction.	1858	1856	9	0	9	17	5	.....	3	26	.....	.....	.....	No.
2	Poughkeepsie, N. Y. . . . .	Preparatory Medical School . . . . .	.....	1838	2	1	3	22	.....	4	2	34	No..	.....	.....	.....
2. Undergraduate—regular.																
3	Mobile, Ala . . . . .	Medical College of Alabama . . . . .	1859	1859	14	0	14	115	.....	36	3	.....	No..	.....	.....	Yes.
4	Little Rock, Ark. . . . .	Medical Department of the Arkansas Industrial University.	1879	1879	14	0	14	83	.....	17	3	20	No..	No..	No..	No.
5	Los Angeles, Cal. . . . .	College of Medicine of the University of Southern California.	1880	1883	21	1	22	26	.....	.....	3	.....	Yes.	.....	.....	.....
6	San Francisco, Cal. . . . .	Cooper Medical College . . . . .	1858	1858	15	1	16	126	17	.....	3	20	Yes.	No..	.....	Yes.
7	do . . . . .	Medical Department of the University of California.	1868	1864	20	0	20	73	17	11	3	.....	Yes.	.....	.....	.....
8	Boulder, Colo . . . . .	Medical Department of the University of Colorado.	1861	1883	12	0	12	16	.....	1	3	.....	Yes.	.....	.....	.....
9	Denver, Colo. . . . .	Gross Medical College (Medical Department of Rocky Mountain University).	1887	1887	16	0	16	24	2	10	3	27	Yes.	No..	No..	Yes.

10	.....do .....	University of Denver, Medical De- partment.	J. C. Davis, M. D., dean	1864	1881	22	0	22	29	.....	3	.....
11	New Haven, Conn .....	Medical Department of Yale Univer- sity.	Herbert E. Smith, M. D., dean.	1810	1813	19	0	19	35	8	2	34
12	Washington, D. C. ....	Howard University, Medical Depart- ment.	Thomas B. Hood, M. D. ....	1807	1867	11	0	11	109	4	22	Yes.
13	.....do .....	Medical Department of National University. <sup>a,b</sup>	H. H. Barker, M. D., dean....	1870	1884	28	0	28	39	.....	14	30 Yes.
14	.....do .....	National Medical College (Columbian University).	James C. Welling, LL. D. ....	1821	1824	19	0	19	122	.....	20	Yes.
15	.....do .....	University of Georgetown, Medical Department.	G. L. Magruder, M. D., dean..	.....	1851	24	0	24	80	.....	15	Yes.
16	Athens, Ga. ....	Athens Medical College .....	W. P. Westmoreland, M. D. .	1855	1856	12	0	12	117	.....	44	Yes.
17	.....do .....	Southern Medical College .....	Thomas S. Powell, M. D. ....	1879	1879	16	0	16	129	.....	22	Yes.
18	Augusta, Ga. ....	Medical College of Georgia (Univer- sity of Georgia).	Edward Geddings, M. D., dean.	1784	1829	10	0	10	105	.....	50	Yes.
19	Chicago, Ill. ....	Chicago Medical College (North- western University).	N. S. Davis, M. D., LL. D. ....	1859	1859	29	0	29	199	40	47	Yes.
20	.....do .....	College of Physicians and Surgeons of Chicago.	A. Reeves Jackson, A. M., M. D.	1881	1882	19	3	22	186	10	50	Yes.
21	.....do .....	Tush Medical College .....	J. Adams Allen, M. D., LL. D.	1897	.....	0	35	35	427	51	134	Yes.
22	.....do .....	Woman's Medical College of Chicago*	William H. Ryford, A. M., M. D.	1870	1870	26	0	26	78	1	18	30 Yes.
23	Quincy, Ill. ....	Chaddock College of Medicine (Chad- dock College)	Marquis D. Hornbeck, A. M. .	1876	1881	10	0	10	10	.....	4	Yes.
24	Fort Wayne, Ind .....	Fort Wayne College of Medicine .....	Christian B. Steeman, M. D. .	1879	1879	8	3	11	25	2	9	Yes.
25	Indianapolis, Ind .....	Central College of Physicians and Surgeons.	Joseph Eastman .....	1879	1879	16	2	18	21	5	7	Yes.
26	.....do .....	Medical College of Indiana*	Franklin Hays, M. D., secre- tary.	1806	1867	27	2	29	72	4	26	22 Yes.
27	Des Moines, Iowa. ....	Iowa College of Physicians and Sur- geons.	Lewis Schooler, M. D. ....	1882	1882	11	3	14	20	2	9	Yes.
28	Iowa City, Iowa .....	Medical Department, State Univer- sity of Iowa.	Charles A. Schaeffer, A. M., Ph. D.	1847	1870	15	0	15	122	2	.....	2-3
29	Louisville, Ky .....	Hospital College of Medicine (Cen- tral University).	William H. Rolling, M. D. ....	1874	1874	14	0	14	163	12	62	20 Yes.
30	.....do .....	Kentucky School of Medicine *	William H. Wathen, M. D. .	1850	1850	19	0	19	200	.....	69	20 Yes.
31	.....do .....	Louisville Medical College .....	J. A. Ireland, M. D., dean....	1869	1869	8	0	8	302	.....	103	30 Yes.
32	.....do .....	University of Louisville, Medical De- partment.	J. M. Bodine, M. D. ....	1837	1837	10	0	10	325	.....	.....	Yes.
33	New Orleans, La .....	Medical Department of Tulane Uni- versity.	Stanford E. Chailiké, M. D., dean.	.....	1834	13	0	13	330	.....	78	2
34	Brunswick, Me .....	Medical School of Maine at Bowdoin College.	Rev. William DeWitt Hyde, D. D.	1794	1821	10	0	10	86	15	.....	3
35	Baltimore, Md .....	Baltimore Medical College .....	David Streett, M. D. ....	1881	1881	22	0	22	70	.....	21	2, 3
36	.....do .....	Baltimore University School of Med- icine.	James G. Lanthum, M. D. ...	1884	1884	14	0	14	31	6	16	22 Yes.
37	.....do .....	College of Physicians and Surgeons.	Thomas Opie, M. D. ....	1872	1872	22	1	23	296	.....	67	3
38	.....do .....	University of Maryland School of Medicine.	J. Edwin Michael, M. D. ....	1807	1808	23	0	23	282	.....	110	2, 25 Yes.

\* Statistics of 1887-88.

*b* Includes statistics of dental department.

\* Statistics of 1887-88.

*a* Also 35 preliminary students.

*b* Includes statistics of dental department.





52	St. Louis, Mo	Beaumont Hospital Medical College.	W. B. Ontton, M. D.	1876	1876	18	0	18	80	.....	24	2	24	Yes	Yes	Yes
53	do	Missouri Medical College	S. S. Laws, M. D., LL. D.	1845	1845	11	1	11	210	72	81	3	24	Yes	No.	No.
54	do	St. Louis College of Physicians and Surgeons	Hon. James O. Broadhead.	1879	1879	18	1	19	145	8	52	3	24	Yes	No.	No.
55	do	St. Louis Medical College.	J. S. B. Alexner, M. D.	1842	1842	32	0	32	75	5	16	3	32	Yes	No.	Yes
56	Omaha, Neb.	Omaha Medical College.	P. S. Loisenring, M. D.	1881	1881	14	3	17	23	63	1	7	2	26	Yes	Yes
57	Hanover, N. H.	Dartmouth Medical College	S. C. Bartlett, D. D.	1769	1769	3	11	14	63	16	27	3	26	Yes	No.	Yes
58	Albany, N. Y.	Albany Medical College (Union University).	Willis G. Tucker, M. D., registrar.	1839	1839	21	1	22	136	.....	41	3	25	Yes	No.	No.
59	Brooklyn, N. Y.	Long Island College Hospital.	Thomas H. Rodman.	1858	1859	31	2	33	162	19	46	3	35	Yes	No.	Yes
60	Buffalo, N. Y.	Medical Department of Niagara University.	John Cronyn, M. D.	1883	1883	23	1	24	43	1	8	3	28	Yes	No.	Yes
61	do	Medical Department of the University of Buffalo.	M. D. Mann, M. D.	1846	1846	28	2	30	185	5	46	3	.....	Yes	Yes	Yes
62	New York, N. Y.	Belleuve Hospital Medical College	Isaac E. Taylor, M. D.	1861	1861	23	1	24	440	.....	137	3	34	Yes	Yes	Yes
63	do	College of Physicians and Surgeons in the city of New York (Columbia College).	Henry Drisler, LL. D., acting president.	1754	1807	75	0	75	702	232	166	3	.....	Yes	.....	.....
64	do	University of the City of New York, Medical Department.	Charles Inslee Purdon, M. D.	1831	1841	45	0	45	629	.....	179	3	34	Yes	Yes	Yes
65	do	Woman's Medical College of the New York Infirmary.	Emily Blackwell, M. D.	1863	1867	0	28	23	68	14	10	3	32	Yes	Yes	Yes
66	Syracuse, N. Y.	College of Medicine of Syracuse University.	Rev. C. N. Sims, D. D.	1870	1872	25	0	25	37	.....	4	3	32	Yes	.....	.....
67	Raleigh, N. C.	Leonard Medical School (Shaw University).*	Rev. H. M. Tupper, D. D.	.....	1865	7	0	7	39	.....	.....	4	.....	No.	Yes	Yes
68	Cincinnati, Ohio	Cincinnati College of Medicine and Surgery.	R. C. S. Reed, M. D.	1851	1851	18	1	19	78	4	32	4	22	Yes	No.	Yes
69	do	Medical College of Ohio.	W. W. Seeley, A. M., M. D.	1819	1820	13	0	13	245	.....	86	3	22	Yes	No.	No.
70	do	Miami Medical College	W. H. Taylor, M. D.	1865	1865	0	20	20	91	.....	22	3	20	Yes	No.	Yes
71	do	Woman's Medical College of Cincinnati.	G. W. Harper, A. M.	1851	1857	16	0	16	27	.....	8	3	20	Yes	.....	Yes
72	Cleveland, Ohio	Medical Department of the University of Wooster.	F. J. Weed, M. D., dean.	1861	1864	18	2	20	55	.....	21	3	21	Yes	No.	Yes
73	do	Western Reserve University, Medical Department.	H. H. Powell, M. D., registrar	1843	1843	22	0	22	126	15	44	3	24	Yes	Yes	Yes
74	Columbus, Ohio	Columbus Medical College.	D. N. Kinsman, M. D.	1875	1875	13	2	15	73	20	23	3	26	Yes	No.	Yes
75	do	Starling Medical College.	Starling Loving, M. D., dean	1847	1847	14	0	14	104	5	28	3	24	Yes	Yes	Yes
76	Toledo, Ohio	Northwestern Ohio Medical College.	A. R. Stuart, M. D.	1882	1883	21	1	22	10	2	9	3	26	Yes	Yes	Yes
77	do	Toledo Medical College	Henry Kahlo	1882	1883	12	3	15	29	2	8	3	24	Yes	No.	Yes
78	Portland, Oregon.	Medical Department of Willamette University.	Thomas VanScoy, A. M., D. D.	1833	1866	9	0	9	190	.....	13	2	.....	Yes	.....	.....
79	do	University of Oregon, Medical Department.	S. E. Josephi, M. D., dean.	.....	1887	19	0	19	20	1	5	3	26	Yes	No.	No.
80	Philadelphia, Pa.	Jefferson Medical College.	James Campbell.	1826	1826	.....	.....	45	547	92	212	3	32	Yes	.....	Yes
81	do	Medico-Chirurgical College of Philadelphia.	W. H. Paucoast, M. D.	1850	1881	45	0	45	151	50	30	3, 4	28	Yes	Yes	Yes
82	do	University of Pennsylvania, Medical Department.	William Pepper, M. D., LL. D.	1753	1765	71	0	71	445	148	129	3, 4	.....	Yes	.....	.....
83	do	Woman's Medical College of Pennsylvania.	T. Morris Perot.	1850	1850	28	.....	28	174	14	36	3	33	Yes	No.	Yes

\* Statistics of 1887-88.

TABLE 23.—Statistics of schools of medicine, of dentistry, and of pharmacy for 1888-89.—PART I—Continued.

Location.	Name.	President or dean.	Date of charter.	Year of first opening.	Professors and instructors.			Students.				Number of years in full course of study.	Number of weeks in scholastic year.	Are graduates admitted to practice in the State without further examination?	Is a knowledge of medical botany required for a diploma?	Is chemical laboratory work obligatory upon students?
					Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at the commencement of 1889.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
I.—MEDICAL AND SURGICAL—Cont'd.																
2.—Undergraduate—Regular—Cont'd.																
84	Pittsburgh, Pa.....	James McCann, M. D.....	1883	1886	40	0	40	87	16	35	3	36	Yes.	Yes.	Yes.	
85	Charleston, S. C.....	R. A. Kinloch, M. D.....	1828	1828	11	0	11	76	.....	24	3	22	No..	No..	No.	
86	Memphis, Tenn.....	W. B. Rogers, M. D.....	1878	1880	10	0	10	179	.....	63	2	20	Yes.	No..	No.	
87	Nashville, Tenn.....	L. C. Garland, LL. D., chancellor.	1873	1875	20	0	20	231	16	82	.....	.....	Yes.	.....	.....	
88	.....do.....	Duncan Eve, A.M., M.D., dean	1794	1877	14	0	14	209	.....	61	2	.....	Yes.	.....	.....	
89	.....do.....	G. W. Hubbard, M. D., dean..	1866	1876	11	0	11	55	8	14	3	.....	Yes.	.....	.....	
90	Galveston, Tex.....	J. F. Y. Paine, M. D.....	1874	1874	11	0	11	9	1	0	3	20	No..	No..	Yes.	
91	Burlington, Vt.....	Matthew H. Buckham, D. D..	1791	1823	23	0	23	187	10	58	3	.....	Yes.	.....	.....	
92	Rutland, Vt.....	Moses E. Cheney.....	1887	1887	1	1	2	43	35	22	3	36	Yes.	Yes.	No.	
93	Charlottesville, Va...	William M. Thornton, chairman of the faculty.	1819	1825	4	0	4	(a)	.....	25	.....	.....	No..	.....	.....	
94	Richmond, Va.....	J. S. Dorsey Cullen, M. D....	1854	1854	19	0	19	42	1	13	3	24	No..	No..	No.	



3. Undergraduate—Eclectic.															
95	San Francisco, Cal.....	California Medical College.....	D. Maclean .....	1878	1879	11	0	11	31	.....	10	3	26	Yes.	No..
96	Atlanta, Ga.....	Georgia College of Eclectic Medicine and Surgery.....	H. H. Green.....	1839	1839	7	0	7	41	12	19	3	22	Yes.	Yes.
97	Chicago, Ill.....	Bennett College of Eclectic Medicine and Surgery.....	A. L. Clark, M. D.....	1869	1868	14	4	18	97	28	37	4	25	Yes.	Yes.
98	Indianapolis, Ind.....	Indiana Eclectic Medical College.....	J. R. Duncan, M. D.....	1880	1880	13	0	13	21	3	8	3	20	Yes.	Yes.
99	Des Moines, Iowa.....	Iowa Eclectic Medical College.....	John Cooper, M. D.....	1887	1887	6	4	10	27	.....	8	4	25	Yes.	Yes.
100	St. Louis, Mo.....	American Medical College.....	E. Younk, M. D.....	1873	1873	16	0	16	68	.....	12	3	40	Yes.	Yes.
101	New York, N. Y.....	Eclectic Medical College of the City of New York.....	Samuel Sinclair.....	1865	1865	14	7	21	76	2	12	3	26	Yes.	No..
102	Cincinnati, Ohio.....	American Eclectic Medical College.....	James Clegg Wright, M. D.....	1879	1879	7	4	11	43	5	11	2	20	Yes.	Yes.
103	.....do.....	Eclectic Medical Institute.....	John M. Scudder, M. D.....	1845	1843	9	0	9	265	.....	69	3	40	Yes.	No..
4. Undergraduate—Homeopathic.															
104	San Francisco, Cal.....	Hahnemann Hospital College of San Francisco.....	J. A. Albertson, M. D.....	1881	1884	16	1	17	31	0	9	3	22	Yes.	No..
105	Chicago, Ill.....	Chicago Homeopathic Medical Col- lege.....	J. S. Mitchell, A. M., M. D.....	1876	1876	24	1	25	124	14	54	3	26	Yes.	Yes.
106	.....do.....	Hahnemann Medical College and Hospital.....	David S. Smith, M. D.....	1851	1855	18	2	20	212	21	78	3	21	Yes.	No..
107	Iowa City, Iowa.....	Homeopathic Medical Department, State University of Iowa.....	Charles A. Shaeffer, A. M., Ph. D.	1847	1877	7	0	7	29	0	.....	2, 3	.....	.....	.....
108	Besten, Mass.....	Boston University School of Medi- cine.....	I. Tisdale Talbot, M. D., dean.	1869	1873	36	0	36	98	21	.....	3, 4	.....	.....	.....
109	Ann Arbor, Mich.....	Homeopathic Medical College of the University of Michigan.....	Henry L. Obetz, M. D., dean.	1837	1875	5	0	5	73	8	.....	3	.....	Yes	.....
110	Minneapolis, Minn.....	College of Homeopathy, University of Minnesota.....	Cyrus Northrop, LL. D.....	1851	1888	13	0	13	(b)	.....	.....	3	26	.....	.....
111	Kansas City, Mo.....	Kansas City Homeopathic Medical College.....	F. F. Casseday, Ph. B., M. D.....	1888	1888	12	0	12	17	0	4	2	25	Yes.	No..
112	St. Louis, Mo.....	Homeopathic Medical College of Missouri.....	W. A. Edmunds, M. D.....	1857	1858	13	0	13	41	.....	11	2	26	Yes.	No..
113	New York, N. Y.....	New York Homeopathic Medical College.....	Timothy Field Allen, M. D., LL. D.	1861	1861	28	0	28	129	22	38	3	24	Yes.	No..
114	.....do.....	New York Medical College and Hos- pital for Women.....	Rev. Henry S. Day.....	1863	1863	.....	20	20	37	.....	5	3	26	Yes.	No..
115	Cincinnati, Ohio.....	Pulte Medical College.....	J. D. Buck, M. D.....	1872	1872	16	1	17	67	8	24	3	26	Yes.	No..
116	Cleveland, Ohio.....	Homeopathic Hospital College.....	J. H. Wade.....	1849	1849	14	0	14	103	4	24	3	26	Yes.	Yes.
117	Philadelphia, Pa.....	Hahnemann Medical College and Hospital.....	Hon. Wm. B. Hanna.....	1848	1848	21	1	22	198	18	65	3	30	Yes.	Yes.
5. Undergraduate—Physio-Medical.															
118	Chicago, Ill.....	Physio-Medical Institute <sup>a</sup> .....	J. E. Keep, M. D.....	1885	1885	5	6	11	15	.....	5	2	24	Yes.	Yes.
6. Graduate.															
119	Chicago, Ill.....	Chicago Peliclinic.....	Truman W. Miller, M. D.....	1886	1886	21	2	23	25	.....	25	.....	.....	.....	.....
<sup>a</sup> Statistics of 1887-88. <sup>b</sup> Included in report of College of Medicine and Surgery.															

b Included in report of College of Medicine and Surgery.

b Students included in the report of the collegiate department.

\* Statistics of 1887-88.







TABLE 23.—*Statistics of schools of medicine, of dentistry, and of pharmacy for 1888-89.*—PART I—Continued.

Location.	Name.	President or dean.	Date of charter.	Year of first opening.	Professors and instructors.			Students.			Number of years in full course of study.	Number of weeks in scholastic year.	Are graduates admitted to practice in the State without further examination?	Is a knowledge of medical botany required for a diploma?	Is chemical laboratory work obligatory upon students?
					Resident.	Non-resident.	Total number.	Total number.	Number who had received a degree in letters or science.	Number of graduates at the commencement of 1889.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
III.—PHARMACEUTICAL.—Continued.															
157	Chicago, Ill.....	Illinois College of Pharmacy (Northwestern University).													
158	La Fayette, Ind.....	School of Pharmacy, Purdue University.													
159	Des Moines, Iowa.....	Iowa College of Pharmacy.....	1881	1882	3	0	3	7	.....	.....	2	20	.....	.....	Yes.
160	Iowa City, Iowa.....	Pharmaceutical Department of State University of Iowa.	1847	1885	5	0	5	17	0	.....	2	.....	.....	.....	.....
161	Lawrence, Kans.....	Department of Pharmacy, University of Kansas.	1864	1885	.....	.....	.....	43	.....	10	2	.....	.....	.....	.....
162	Louisville, Ky.....	Louisville College of Pharmacy.....	1873	1871	4	0	4	80	5	17	3	23	Yes.	Yes.	Yes.
163	do.....	Louisville School of Pharmacy for Women.	.....	1883	3	0	3	17	5	3	3	33	Yes.	Yes.	.....
164	New Orleans, La.....	Class in Pharmacy of the Medical Department of Tulane University.	.....	1898	1	0	1	28	.....	14	2	.....	.....	.....	.....
165	Baltimore, Md.....	Maryland College of Pharmacy.....	1841	1811	.....	.....	3	130	.....	51	2	26	Yes.	Yes.	Yes.
166	Boston, Mass.....	Massachusetts College of Pharmacy.	1852	1867	6	0	6	253	4	.....	2	31	No.	Yes.	Yes.
167	Ann Arbor, Mich.....	School of Pharmacy of University of Michigan.	1837	1868	9	0	9	106	3	41	2	.....	.....	.....	.....
168	Minneapolis, Minn.....	Minnesota College of Pharmacy.....	1886	1886	5	0	5	7	0	2	2	20	No.	Yes.	Yes.
169	Kansas City, Mo.....	Kansas City College of Pharmacy.....	1889	1885	5	1	6	16	2	2	2	22	Yes.	Yes.	Yes.
170	St. Louis, Mo.....	St. Louis College of Pharmacy.....	1866	1866	5	0	5	152	.....	33	2	22	Yes.	Yes.	Yes.

171	Albany, N. Y .....	Albany College of Pharmacy (Union University).....	Willis G. Tucker, M. D., Ph. D.	1881	1881	3	0	3	59	0	22	2	22	No..	Yes.
172	Buffalo, N. Y .....	Department of Pharmacy, University of Buffalo.	F. P. Vandenbergh, B. S., M. D.	1846	1886	4	2	6	53	0	16	2	24	No..	Yes.
173	Ithaca, N. Y .....	School of Pharmacy, Cornell University.	Charles Kendall Adams, LL. D.	1865	1887	10	0	10	9	0	1	2	.....	No..	Yes.
174	New York, N. Y .....	College of Pharmacy of the City of New York.	Ewen McIntyre .....	1831	1829	9	0	9	312	.....	106	2	24	.....	Yes.
175	Cincinnati, Ohio .....	Cincinnati College of Pharmacy .....	Andrew Watson Bain .....	1850	1871	7	0	7	86	.....	18	2	24	No..	Yes.
176	Columbus, Ohio .....	Department of Pharmacy, Ohio State University.	William H. Scott, LL. D. ....	1870	.....	.....	.....	.....	21	5	2	3	.....	Yes.	Yes.
177	Philadelphia, Pa .....	Philadelphia College of Pharmacy .....	Charles Bullock, Ph. M. ....	1822	1821	7	0	7	582	1	158	2	20-24	No..	Yes.
178	Pittsburgh, Pa .....	Pittsburgh College of Pharmacy .....	Frederick H. Eggers .....	1878	1878	3	0	3	57	.....	14	2	20	No..	Yes.
179	Columbia, S. C .....	Department of Pharmacy, University of South Carolina.	W. B. Burney, Ph. D., dean ..	1801	.....	10	0	10	23	.....	.....	2	.....	.....	Yes.
180	Nashville, Tenn .....	Department of Pharmacy, Vanderbilt University.	L. C. Garland, LL. D., chancellor.	1873	1875	9	0	9	28	3	6	2	.....	.....	.....
181	Madison, Wis .....	Department of Pharmacy, University of Wisconsin.	T. C. Chamberlin, Ph. D., LL. D.	1848	1883	4	0	4	49	.....	.....	2	30	.....	.....
IV.—VETERINARY.															
182	Chicago, Ill .....	Chicago Veterinary College .....	Richard J. Withers, M. D., V. S.	1883	1883	3	7	10	53	2	47	2	24	Yes.	Yes.
183	Boston, Mass .....	Veterinary Department of Harvard University.	Charles P. Lyman, F. R. C. V. S., dean.	1850	1883	19	0	19	23	0	5	3	.....	.....	.....
184	Minneapolis, Minn .....	Northwestern Veterinary College .....	C. C. Lyford, M. D., C. M., B. S., V. S.	1885	1881	6	2	8	7	.....	.....	3	24	Yes.	Yes.
185	New York, N. Y .....	American Veterinary College .....	A. L. Lantard, M. D., V. M. ....	1875	1875	0	16	16	130	0	43	2	26	Yes.	No..
186	.....do .....	New York College of Veterinary Surgeons.	William T. White, M. D. ....	1857	1865	11	2	13	67	0	22	3	20	Yes.	Yes.
187	Columbus, Ohio .....	School of Veterinary Medicine, Ohio State University.	William H. Scott, LL. D. ....	1870	.....	.....	.....	.....	7	2	1	3	.....	.....	.....
188	Philadelphia, Pa .....	Veterinary Department, University of Pennsylvania.	William Pepper, M. D., LL. D.	1753	1883	17	0	17	58	.....	7	3	32	Yes.	Yes.

TABLE 23.—Statistics of schools of medicine, of dentistry, and of pharmacy for 1888-89.—PART II.

Name.	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Number of endowed profes- sors.	Number of scholarships.	Number of volumes in li- brary.	Annual charge for tuition.	Amount of matriculation fee.	Amount of graduation fee.	Value of scientific apparatus.	Value of grounds and build- ings.	Amount of productive funds.	Income from productive funds.	Amount of State or munici- pal aid received within the year.	Receipts from tuition fees.	Total income.	Benefactions.
<b>I.—MEDICAL AND SURGICAL.</b>														
<b>1. Preparatory.</b>														
1 Portland School for Medical Instruction.....	0	0	200	\$67			\$300	0	0	0	0	\$754	\$754	0
2 Preparatory Medical School.....				100										
<b>2. Undergraduate—regular.</b>														
3 Medical College of Alabama.....	0	47		75	\$5	\$25	* 50,000	* \$75,000	0	0	0			0
4 Medical Department of the Arkansas Industrial University.....	0	0	0		5	25		20,000	0	0	0			0
5 College of Medicine of the University of Southern California.....	0	0		130	5	40								
6 Cooper Medical College.....	0	0	681	130	5	40	5,000	100,000	0	0	0	11,000	11,000	0
7 Medical Department of the University of California.....	0	0		130	5	40								
8 Medical Department of the University of Colorado.....	0	0		75	5	10	400	30,000		\$2,700	0	1,300	4,000	
9 Gross Medical College (Medical Department of Rocky Moun- tain University).....	(a)	200												
10 University of Denver, Medical Department.....	0	0		75	5									
11 Medical Department of Yale University.....				125	5	30								
12 Howard University, Medical Department.....	0	1,000		50								6,052	6,052	
13 Medical Department of National University.....	0	2			5	30	600	0	0	0	0			\$150
14 National Medical College (Columbian University).....	0	6		100	5	10								
15 University of Georgetown, Medical Department.....	0	0		60 105 45	5									
16 Atlanta Medical College.....				75	5	5	4,000	20,000				7,500	7,500	
17 Southern Medical College.....			500	75	5	30	2,000	20,000	0	0	0	5,200	5,200	
18 Medical College of Georgia (University of Georgia).....	0			75	5	30								
19 Chicago Medical College (Northwestern University).....	0	0		77	5	30	4,500	45,000				13,335	13,335	
20 College of Physicians and Surgeons of Chicago.....	0	0	0	60	5	30	2,400	75,000			0	14,000	14,000	
21 Rush Medical College.....	4			85		5	10,000	100,000				30,985	30,985	



		3	80	5	30	300	15,000	\$3,000	150	4,242	7,244	
22	Woman's Medical College of Chicago <sup>a</sup> .....	0	0	0	0	0	0	0	0	0	0	0
23	Chaddock College of Medicine (Chaddock College).....	0	0	0	0	0	0	0	0	1,200	1,500	0
24	Fort Wayne College of Medicine.....	0	0	0	0	0	0	0	0	1,300	1,300	0
25	Central College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	4,500	4,500	0
26	Medical College of Indiana <sup>a</sup> .....	0	0	0	0	0	0	0	0	1,300	1,300	0
27	Medical College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	1,300	1,300	0
28	Iowa College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	1,300	1,300	0
29	Medical Department, State University of Iowa.....	0	0	0	0	0	0	0	0	1,300	1,300	0
30	Hospital College of Medicine (Central University).....	0	0	0	0	0	0	0	0	1,300	1,300	0
31	Kentucky School of Medicine <sup>b</sup> .....	0	0	0	0	0	0	0	0	1,300	1,300	0
32	Louisville Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
33	University of Louisville, Medical Department.....	0	0	0	0	0	0	0	0	1,300	1,300	0
34	Medical Department of Tulane University.....	0	0	0	0	0	0	0	0	1,300	1,300	0
35	Medical School of Maine at Bowdoin College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
36	Baltimore Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
37	Baltimore University School of Medicine.....	0	0	0	0	0	0	0	0	1,300	1,300	0
38	College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	1,300	1,300	0
39	University of Maryland, School of Medicine.....	0	0	0	0	0	0	0	0	1,300	1,300	0
40	Woman's Medical College of Baltimore.....	0	0	0	0	0	0	0	0	1,300	1,300	0
41	College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	1,300	1,300	0
42	Harvard University Medical School.....	0	0	0	0	0	0	0	0	1,300	1,300	0
43	Department of Medicine and Surgery of the University of Michigan.....	0	0	0	0	0	0	0	0	1,300	1,300	0
44	Detroit College of Medicine.....	0	0	0	0	0	0	0	0	1,300	1,300	0
45	Meligan College of Medicine and Surgery.....	0	0	0	0	0	0	0	0	1,300	1,300	0
46	Medical Department of the University of Minnesota.....	0	0	0	0	0	0	0	0	1,300	1,300	0
47	Minneapolis College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	1,300	1,300	0
48	Medical Department, University of the State of Missouri.....	0	0	0	0	0	0	0	0	1,300	1,300	0
49	Kansas City Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
50	University Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
51	Ensworth Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
52	Northwestern Medical College of St. Joseph.....	0	0	0	0	0	0	0	0	1,300	1,300	0
53	Beaumont Hospital Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
54	Missouri Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
55	St. Louis College of Physicians and Surgeons.....	0	0	0	0	0	0	0	0	1,300	1,300	0
56	St. Louis Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
57	Onania Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
58	Dartmouth Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
59	Albany Medical College (Union University).....	0	0	0	0	0	0	0	0	1,300	1,300	0
60	Long Island College Hospital.....	0	0	0	0	0	0	0	0	1,300	1,300	0
61	Medical Department of Niagara University.....	0	0	0	0	0	0	0	0	1,300	1,300	0
62	Medical Department of the University of Buffalo.....	0	0	0	0	0	0	0	0	1,300	1,300	0
63	Bellevue Hospital Medical College.....	0	0	0	0	0	0	0	0	1,300	1,300	0
64	College of Physicians and Surgeons in the City of New York (Columbia College).....	0	0	0	0	0	0	0	0	1,300	1,300	0
65	University of the City of New York, Medical Department.....	0	0	0	0	0	0	0	0	1,300	1,300	0

<sup>a</sup> Statistics of 1887-88.

<sup>b</sup> Sons of physicians and clergymen admitted free.

<sup>c</sup> For residents; \$35 for non-residents.

<sup>d</sup> For residents; \$25 for non-residents.

<sup>e</sup> For residents of Minnesota; \$35 for non-residents.

<sup>f</sup> For residents of Minnesota; \$25 for non-residents.



89	Mohr Medical Department of Central Tennessee College.....	0	2	500	25	10	50,000	0	0	0	1,400	1,400	8,000
90	Texas Medical College and Hospital.....	0	0	0	680	5	10,000	0	0	0	1,400	1,400	8,000
91	Medical Department of the University of Vermont.....	0	0	0	75	5	25	0	0	0	1,875	1,875	0
92	Vermont Medical College.....	0	0	0	60	5	30	200	0	0	1,875	1,875	0
93	University of Virginia, Medical Department.....	0	0	0	110	25	15	1,500	6,000	2,915	8,915	0	0
94	Medical College of Virginia.....	0	0	0	90	5	5	100,000	0	0	2,915	8,915	0
3. Undergraduate—eclectic.													
95	California Medical College.....	1	150	120	5	30	500	20,000	0	0	3,000	3,000	1,000
96	Georgia College of Eclectic Medicine and Surgery.....	4	500	56	5	25	5,000	20,000	0	0	2,500	4,175	1,000
97	Bennett College of Eclectic Medicine and Surgery.....	0	0	70	5	30	500	30,000	0	0	6,500	6,500	0
98	Indiana Eclectic Medical College.....	0	25	300	60	25	30	500	0	0	1,260	1,260	0
99	Iowa Eclectic Medical College.....	0	30	60	5	25	10,000	10,000	0	0	4,875	4,875	2,200
100	American Medical College.....	0	12	80	100	25	1,000	40,000	0	0	5,500	10,700	2,000
101	Eclectic Medical College of the City of New York.....	0	0	120	5	30	6,000	80,000	0	0	4,500	6,000	0
102	American Eclectic Medical College.....	0	0	105	5	25	2,500	80,000	0	0	4,500	6,000	0
103	Eclectic Medical Institute.....	0	0	150	0	25	0	0	0	0	0	0	0
4. Undergraduate—Homoeopathic.													
104	Hahnemann Hospital College of San Francisco.....	0	0	500	125	5	40	250	0	0	3,500	3,500	500
105	Chicago Homoeopathic Medical College.....	0	1,200	50	5	25	2,000	50,000	0	0	7,000	7,000	0
106	Hahnemann Medical College and Hospital.....	0	0	50	5	25	75,000	75,000	0	0	13,500	13,500	0
107	Homoeopathic Medical Department, State University of Iowa.....	0	344	20	5	25	100	50	0	0	0	0	0
108	Boston University School of Medicine.....	0	8	2,500	100	5	30	100	0	0	0	0	0
109	Homoeopathic Medical College of the University of Michigan.....	0	0	235	10	10	100	100	0	0	0	0	0
110	College of Homoeopathy, University of Minnesota.....	0	0	40	5	25	500	0	0	0	800	1,200	0
111	Kansas City Homoeopathic Medical College.....	8	0	55	5	25	20,000	20,000	0	0	2,500	2,500	0
112	Homoeopathic Medical College of Missouri.....	0	0	100	5	30	240,000	240,000	0	0	7,224	7,224	0
113	New York Homoeopathic Medical College.....	0	0	75	5	30	1,500	60,000	0	0	2,210	2,210	0
114	New York Medical College and Hospital for Women.....	0	0	100	5	25	25,000	25,000	0	0	7,495	7,495	0
115	Pulte Medical College.....	0	0	3,000	40	5	30	163,618	124,000	6,422	18,413	49,835	15,504
116	Homoeopathic Hospital College.....	0	6,500	100	5	30	25,000	163,618	124,000	6,422	18,413	49,835	15,504
117	Hahnemann Medical College and Hospital.....	0	0	0	0	0	0	0	0	0	0	0	0
5. Undergraduate—Physio-medical.													
118	Physio-Medical Institute.....	0	0	65	5	25	250	0	0	0	1,100	1,300	200
6. Graduate.													
119	Chicago Polyclinic.....	0	0	75	5	0	1,000	40,000	0	0	550	550	0
120	Post-Graduate Medical School and Hospital.....	0	0	100	0	5	850	0	0	0	517	517	0
121	St. Louis Post-Graduate School of Medicine.....	0	0	65	0	5	0	0	0	0	0	0	0
122	New York Polyclinic.....	0	0	250	0	0	5,000	100,000	0	0	21,000	26,000	1,600
123	New York Post-Graduate Medical School and Hospital.....	0	0	70	0	0	80,000	80,000	0	0	22,400	30,000	18,000

\* Statistics of 1887-88.

a An appropriation of \$50,000 for the hospital.

b First year; \$90 second year; \$140 third year.

c For residents; \$35 for non-residents.

d For residents; \$25 for non-residents.

e For each course of 6 weeks.











TABLE 24.—Summary of all degrees conferred in 1888-89.

State and class.	All courses.			Letters.		Science.		Philosophy.		Art.		Theology.		Medicine.		Law.	
	In course.	Honorary.		In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.
<b>I</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	
Grand total.....	13,628	730	4,154	225	1,677	13	644	52	113	2	244	285	5,372	8	1,424	145	
Total in classical and scientific colleges.....	8,640	713	3,539	224	1,605	13	635	52	20	2	131	279	1,494	.....	1,207	143	
Total in colleges for women.....	780	6	615	1	72	.....	9	.....	84	.....	113	3	3,878	8	217	2	
Total in professional schools.....	4,208	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Alabama.....	218	22	109	13	36	.....	8	1	11	.....	3	8	36	.....	15	.....	
Classical and scientific colleges.....	109	22	50	13	36	.....	8	1	.....	.....	.....	8	.....	.....	15	.....	
Colleges for women.....	70	.....	59	.....	.....	.....	.....	.....	11	.....	3	.....	36	.....	.....	.....	
Professional schools.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Arkansas.....	37	5	9	1	11	.....	.....	1	.....	.....	.....	2	17	.....	.....	1	
Classical and scientific colleges.....	20	5	9	1	11	.....	.....	1	.....	.....	.....	2	.....	.....	.....	1	
Professional schools.....	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....	
California.....	234	.....	42	.....	46	.....	31	.....	2	.....	3	.....	99	.....	11	.....	
Classical and scientific colleges.....	165	.....	35	.....	46	.....	31	.....	2	.....	.....	.....	40	.....	11	.....	
Colleges for women.....	7	.....	7	.....	.....	.....	.....	.....	.....	.....	3	.....	59	.....	.....	.....	
Professional schools.....	62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Colorado.....	44	2	5	.....	14	.....	1	.....	5	.....	.....	1	19	.....	.....	1	
Classical and scientific colleges.....	34	2	5	.....	14	.....	1	.....	5	.....	.....	1	9	.....	.....	1	
Professional schools.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	.....	.....	
Connecticut.....	392	29	214	12	9	.....	94	.....	.....	.....	33	11	2	.....	40	6	
Classical and scientific colleges.....	392	29	214	12	9	.....	94	.....	.....	.....	33	11	2	.....	40	6	
Dakota.....	22	6	8	1	11	.....	3	.....	.....	.....	.....	2	.....	.....	.....	3	
Classical and scientific colleges.....	22	6	8	1	11	.....	3	.....	.....	.....	.....	2	.....	.....	.....	3	

TABLE 24.—*Summary of all degrees conferred in 1888-89—Continued.*

State and class.	All courses.		Letters.		Science.		Philosophy.		Art.		Theology.		Medicine.		Law.	
	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.
<b>I</b>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Delaware.....	4	1	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Classical and scientific colleges.....	4	1	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
District of Columbia.....	312	77	39	31	2	.....	3	8	.....	2	.....	16	93	.....	175	20
Classical and scientific colleges.....	300	77	39	31	2	.....	3	8	.....	2	.....	16	81	.....	175	20
Professional schools.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	.....	.....	.....
Florida.....	3	.....	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Classical and scientific colleges.....	3	.....	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	316	7	128	2	17	.....	10	2	15	.....	2	3	113	.....	31	.....
Classical and scientific colleges.....	143	6	44	1	8	.....	10	2	.....	.....	.....	3	50	.....	31	.....
Colleges for women.....	108	1	84	1	9	.....	.....	.....	15	.....	.....	.....	.....	.....	.....	.....
Professional schools.....	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	63	.....	.....	.....
Illinois.....	1,118	25	201	4	94	.....	40	.....	2	.....	33	15	608	.....	80	6
Classical and scientific colleges.....	497	25	189	4	94	.....	40	.....	2	.....	3	15	69	.....	80	6
Colleges for women.....	12	.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Professional schools.....	609	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	.....	579	.....	.....	.....
Indiana.....	314	28	153	6	90	1	36	1	.....	.....	1	13	47	1	17	6
Classical and scientific colleges.....	284	23	149	6	90	1	27	1	.....	.....	1	11	.....	.....	17	4
Colleges for women.....	13	4	4	.....	.....	.....	9	.....	.....	.....	.....	2	.....	.....	.....	2
Professional schools.....	47	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47	1	.....	.....
Iowa.....	405	36	162	12	97	1	41	1	.....	.....	2	17	117	.....	46	5
Classical and scientific colleges.....	418	36	162	12	97	1	41	1	.....	.....	2	17	100	.....	46	5
Professional schools.....	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....	.....	.....

Kansas	132	5	63	1	42	1	1	1	3	.....	3	10	.....	13	.....
Classical and scientific colleges	127	4	59	1	42	1	1	1	2	.....	2	10	.....	13	.....
Colleges for women	5	1	4	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....
Kentucky	339	32	87	18	27	1	1	1	.....	.....	12	10	200	3	12
Classical and scientific colleges	50	29	32	18	17	1	1	1	.....	.....	.....	10	.....	.....	1
Colleges for women	65	.....	55	.....	10	.....	.....	.....	.....	.....	.....	.....	200	3	12
Professional schools	224	3	.....	.....	.....	.....	.....	.....	.....	.....	12	.....	.....	.....	.....
Louisiana	169	6	22	2	21	.....	.....	.....	.....	.....	.....	4	92	.....	34
Classical and scientific colleges	165	6	19	2	20	.....	.....	.....	.....	.....	.....	4	92	.....	34
Colleges for women	4	3	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maine	166	14	130	7	29	.....	.....	.....	1	1	6	3	.....	.....	3
Classical and scientific colleges	152	14	117	7	29	.....	.....	.....	1	1	6	3	.....	.....	3
Colleges for women	14	.....	13	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Maryland	516	7	92	1	8	1	20	1	.....	.....	13	3	350	.....	33
Classical and scientific colleges	112	6	84	1	8	1	20	1	.....	.....	.....	2	.....	.....	1
Colleges for women	8	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Professional schools	396	1	.....	.....	.....	.....	.....	.....	.....	.....	13	1	350	.....	33
Massachusetts	915	16	457	7	157	.....	.....	.....	5	.....	42	6	165	.....	66
Classical and scientific colleges	710	16	350	7	130	.....	.....	.....	.....	.....	.....	6	106	.....	66
Colleges for women	139	.....	107	.....	27	.....	.....	.....	5	.....	.....	.....	59	.....	.....
Professional schools	66	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....	.....
Michigan	655	12	116	3	106	.....	.....	.....	1	3	.....	3	5	230	147
Classical and scientific colleges	601	12	116	3	106	.....	.....	.....	1	3	.....	3	5	176	147
Professional schools	54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54	.....	.....
Minnesota	101	3	49	1	20	.....	.....	.....	.....	.....	7	.....	23	.....	2
Classical and scientific colleges	90	3	48	1	20	.....	.....	.....	.....	.....	.....	.....	20	.....	2
Colleges for women	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Professional schools	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	.....	3	.....	.....
Mississippi	81	2	26	1	29	.....	.....	.....	6	.....	.....	.....	.....	15	1
Classical and scientific colleges	55	2	6	1	29	.....	.....	.....	.....	.....	.....	.....	.....	15	1
Colleges for women	26	.....	20	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....





Ohio.....	1, 119	67	332	14	77	1	93	5	6	.....	18	34	494	2	99	11
Classical and scientific colleges.....	513	64	324	14	71	1	93	5	4	.....	18	33	3	.....	.....	11
Colleges for women.....	16	.....	8	.....	6	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
Professional schools.....	590	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	491	2	99	.....
Oregon.....	55	4	15	1	13	.....	2	1	.....	.....	.....	1	18	.....	7	1
Classical and scientific colleges.....	43	4	15	1	13	.....	2	1	.....	.....	.....	1	13	.....	.....	1
Professional schools.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	7	.....
Pennsylvania.....	1, 536	81	429	23	204	6	38	8	9	.....	3	32	805	.....	48	12
Classical and scientific colleges.....	872	81	383	23	204	6	38	8	.....	.....	.....	32	199	.....	48	12
Colleges for women.....	55	46	.....	.....	.....	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....
Professional schools.....	609	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	606	.....	.....	.....
Rhode Island.....	102	4	94	2	.....	.....	8	.....	.....	.....	.....	1	.....	.....	.....	1
Classical and scientific colleges.....	102	4	94	2	.....	.....	8	.....	.....	.....	.....	1	.....	.....	.....	1
South Carolina.....	144	13	89	2	14	.....	3	.....	.....	.....	.....	8	26	.....	12	3
Classical and scientific colleges.....	94	13	63	2	14	.....	3	.....	.....	.....	.....	8	2	.....	12	3
Colleges for women.....	26	.....	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Professional schools.....	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24	.....	.....	.....
Tennessee.....	541	28	125	3	48	.....	9	1	6	.....	30	16	272	.....	51	8
Classical and scientific colleges.....	440	28	94	3	42	.....	9	1	5	.....	30	16	209	.....	51	8
Colleges for women.....	38	.....	31	.....	6	.....	.....	1	.....	.....	.....	.....	63	.....	.....	.....
Professional schools.....	63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Texas.....	92	14	23	4	36	.....	.....	.....	2	.....	.....	10	.....	.....	31	.....
Classical and scientific colleges.....	84	14	20	4	33	.....	.....	.....	.....	.....	.....	10	.....	.....	31	.....
Colleges for women.....	8	.....	3	.....	3	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
Vermont.....	131	12	30	7	12	.....	9	.....	.....	.....	.....	4	80	.....	.....	1
Classical and scientific colleges.....	109	12	30	7	12	.....	9	.....	.....	.....	.....	4	58	.....	.....	1
Professional schools.....	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22	.....	.....	.....
Virginia.....	204	25	101	4	20	1	5	.....	2	.....	2	13	39	.....	35	7
Classical and scientific colleges.....	167	24	83	4	18	1	5	.....	.....	.....	.....	12	26	.....	35	7
Colleges for women.....	22	.....	18	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
Professional schools.....	15	1	.....	.....	.....	.....	.....	.....	.....	.....	2	1	13	.....	.....	.....





TABLE 25.—Degrees conferred by colleges and scientific schools in 1888-89.

Institutions and locations.	All classes.		Letters.				Science.							Philosophy.			Art.	Theol-ogy.		Medicine.	Law.							
	All degrees.		A. B.		A. M.		B. S.		M. S.		B. Arch.		Ph. B.		Ph. D.			In course, Mus. B.	Honorary, Mus. D.			In course, B. D.	Honorary, D. D.	In course, M. D.	In course, D. S.	In course, Ph. G.	In course, LL. B.	Honorary, LL. D.
	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In-course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course.	Honorary.	In course, B. D.			Honorary, D. D.	In course, M. D.							
<b>I</b>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
State Agricultural and Mechanical College, Auburn, Ala.	24	0						19		3	2																	
Howard College, East Lake, Ala.	7	4	6			1	1																					
Southern University, Greensborough, Ala.	20	3	6			3		7								8												
Spring Hill College, Mobile, Ala.	17		8			2		3																				
University of Alabama, University, Ala.	41	15	24			12					2							1										
Arkansas College, Batesville, Ark.	2	1	1					1										1										
Cane Hill College, Boonsborough, Ark.	1	0	1															1										
Arkansas Industrial University, Fayetteville, Ark.	7	1	2			1		3			2																	
Little Rock University, Little Rock, Ark.	6	2	1			2		3																				
Philander Smith College, Little Rock, Ark.	4	1	2					2																				
University of California, Berkeley, Cal.	85	0	3	10				11								13												
University of the Pacific, College Park, Cal.	28					6		9		2						7				1								
St. Vincent's College, Los Angeles, Cal.	1					1																						
University of Southern California, Los Angeles, Cal.	7	0	1													2		α 1										
Napa College, Napa City, Cal.	1																		b 1									
St. Ignatius College, San Francisco, Cal.	4							2		2																		
Santa Clara College, Santa Clara, Cal.	16		2			3		11																				
Pacific Methodist College, Santa Rosa, Cal.	10	0	5													5												
San Joaquin Valley College, Woodbridge, Cal.	7		1					3								3												
Hesperian College, Woodland, Cal.	0																											
University of Colorado, Boulder, Colo.	5	2	3					2		4																		
University of Denver, Denver, Colo.	21		2					6												5								
State Agricultural College, Fort Collins, Colo.	4							4																				
Colorado School of Mines, Golden, Colo.	4																											
Trinity College, Hartford, Conn.	29	5	13			10	1	0																				
	α Ph. M.																											

b Bachelor of painting.

α Ph. M.



	16	2	5	6	4	1	5	2	1	1	46	39	64	2
Eureka College, Eureka, Ill.	16	2	5	6	4	1	5	2	4	1	1	39	64	2
Northwestern University, Evanston, Ill.	191	4	19	6	4	1	5	2	4	1	1	39	64	1
Ewing College, Ewing, Ill.	41	3	9	4	25	1	4	1	3	3	3			
Knox College, Galesburg, Ill.	14	0	1	1	5	5	4	1	5	2	2			
Lombard University, Galesburg, Ill.	9	1	5	1	4	4	1	1	1	1	1			1
Illinois College, Jacksonville, Ill.	16	0	1	11	2	2	1	1	2	2	3	2		
Lake Forest University, Lake Forest, Ill.	13	3	2	1	3	5	1	1	1	3	3			
McKendree College, Lebanon, Ill.	16	3	2	1	3	5	1	1	1	2	2			
Lincoln University, Lincoln, Ill.	1	0												
Monmouth College, Monmouth, Ill.	16	3	16	1	4	4	3	1	16	2	2			
Northwestern College, Naperville, Ill.	7	1	3	4	4	4	3	1	4	1	4	2		
Chadock College, Quincy, Ill.	6	1	5	3	8	2	3	1	2	1	1			1
St. Francis Solanus College, Quincy, Ill.	16	1	6	4	2	2	3	1	2	1	1			
Augustana College, Rock Island, Ill.	4	2	4	3	4	3	3	1	1	1	2			
St. Joseph's Diocesan College, Teutopolis, Ill.	5	2	2	2	2	2	2	1	2	2	2			
Shurtleff College, Upper Allen, Ill.	4	1	2	2	2	2	2	1	2	1	1			
Westfield College, Westfield, Ill.	14	0	10	7	41	1	7	2	2	1	1			
Wheaton College, Wheaton, Ill.	50	0	41	7	2	2	2	2	2	1	1			
Indiana University, Bloomington, Ind.	15	1	13	2	2	2	2	2	2	1	1			
Wabash College, Crawfordsville, Ind.	15	3	5	4	4	2	4	2	4	3	3			
Franklin College, Franklin, Ind.	85	7	23	22	3	9	1	16	1	1	3	12		1
De Pauw University, Greencastle, Ind.	18	5	9	9	9	1	1	1	1	4	4			
Hanover College, Hanover, Ind.	9	0			2	7	1	1	2	1	1			
Hartsville College, Hartsville, Ind.	17	1	14	1	3	1	1	1	11	6	6			
Butler University, Irvington, Ind.	25	0	2	2	7	1	1	1	11	6	6			
Purdue University, La Fayette, Ind.	9	0	2	2	1	3	1	1	7	1	1			
Moore's Hill College, Moore's Hill, Ind.	14	5	2	1	3	1	1	1	7	1	1			
University of Notre Dame, Notre Dame, Ind.	18	0	3	1	6	1	1	1	6	9	9	5		3
Earlham College, Richmond, Ind.	9	0	1	1	1	1	1	1	1	1	1			
Ridgeville College, Ridgeville, Ind.	9	0	1	1	9	1	1	1	1	1	1			
Reso Polytechnic Institute, Terre Haute, Ind.	49	0	4	26	3	5	3	1	1	1	1			
Iowa State Agricultural College, Ames, Iowa.	2	1	1	1	1	1	1	1	1	1	1			
Coe College, Cedar Rapids, Iowa.	3	2	3	1	1	1	1	1	1	1	1			
Amity College, College Springs, Iowa.	2	3	1	1	1	1	1	1	1	1	1			1
Griswold College, Davenport, Iowa.	10		9	1	1	1	1	1	1	1	1			
Luther College, Decorah, Iowa.	2	0	1	1	1	1	1	1	1	1	1			
Des Moines College, Des Moines, Iowa.	43	3	5	2	2	1	1	1	1	1	1	21		3
Drake University, Des Moines, Iowa.	27	4	10	10	7	1	1	1	1	1	1	7		
Parsons College, Fairfield, Iowa.	14	2	2	2	2	2	2	2	2	2	2			
Upper Iowa University, Fayette, Iowa.	27	3	12	8	3	4	3	4	4	4	4			
Iowa College, Grinnell, Iowa.	15	1	6	3	6	3	3	3	6	3	3			
Lenox College, Hopkinton, Iowa.	9	1	1	1	1	1	1	1	1	1	1			
Simpson College, Indianola, Iowa.	167	2	10	24	1	11	9	9	1	1	1	51	21	39
State University of Iowa, Iowa City, Iowa.	3	2	1	2	2	2	2	2	2	2	2			
German College, Mt. Pleasant, Iowa.	18	2	7	4	3	4	4	4	4	4	4			
Iowa Wesleyan University, Mt. Pleasant, Iowa.	32	2	7	4	4	4	4	4	4	4	4			
Cornell College, Mt. Vernon, Iowa.	32	2	7	4	4	4	4	4	4	4	4			

e Ph. M.

d These are D. V. M.

c These are L. H. D.

b Includes 35 LL. M.

a Includes 27 LL. M.





[illegible]

a Bachelor of Didactics.

*b* Mistress of polite literature.

Includes 5 M. V. D.

*d* Theses are A. M. B.

*e*Includes 1 M. L.

*f* Includes 1 Sc. D.















Emory and Henry College, Emory, Va.	13	1	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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*a* These are D. C. L.

*b* Includes 2 L. H. D.

c D. L.

d D. Sc.

TABLE 26.—Degrees conferred by institutions for the higher education of women in 1888-89.

Location.	Name.	All de- grees.		In course, B. L., or M. E. L.	In course, A. B.	In course, A. M.	In course, B. S.	In course, Ph. B.	In course, Mus. B.	In course, Art.
		In course.	Honorary.							
1	2	3	4	5	6	7	8	9	10	11
Athens, Ala. ....	Athens Female College. ....	5		5						
Huntsville, Ala. ....	Huntsville Female College. ....	53		40		4			6	3
Do. ....	Huntsville Female Seminary. ....	8				8				
Marion, Ala. ....	Judson Female Institute. ....	2							2	
Tuscaloosa, Ala. ....	Central Female College. ....	2		2						
Mills College, Cal. ....	Mills College. ....	3		2	1					
Santa Rosa, Cal. ....	Santa Rosa Ladies' College. ....	4		4						
Covington, Ga. ....	Georgia Methodist Female College. ....	6			6					
Cuthbert, Ga. ....	Andrew Female College. ....	10			10					
Forsyth, Ga. ....	Monroe Female College. ....	5			5					
La Grange, Ga. ....	La Grange Female College. ....	21			12		9			
Do. ....	Southern Female College. ....	10			8	2				
Macon, Ga. ....	Wesleyan Female College. ....	52	a1		37				13	2
Thomasville, Ga. ....	Young Female College. ....	4			4					
Knoxville, Ill. ....	St. Mary's School. ....	12			12					
Fort Wayne, Ind. ....	Fort Wayne College. ....	13	b4		1	3		9		
Topeka, Kans. ....	College of the Sisters of Bethany. ....	5	c1		4				1	
Clinton, Ky. ....	Clinton College. ....	3			2		1			
Glasgow, Ky. ....	Liberty Female College. ....	2		2						
Glendale, Ky. ....	Lynnland Female College. ....	2		2						
Millersburgh, Ky. ....	Millersburgh Female College. ....	13		7	4		2			
Nicholasville, Ky. ....	Jessamine Female Institute. ....	19			19					
Russellville, Ky. ....	Logan Female College. ....	11		4			7			
Shelbyville, Ky. ....	Stuart's Female College. ....	12			12					
Stanford, Ky. ....	Stanford Female College. ....	3		3		1				
Clinton, La. ....	Silliman Female Collegiate Institute. ....	1				1				
Minden, La. ....	Minden Female College. ....	3		3						
Kent's Hill, Me. ....	Maine Wesleyan Seminary and Fe- male College. ....	14			6	7			1	
Frederick, Md. ....	Frederick Female Seminary. ....	8		8						
Northampton, Mass. ....	Smith College. ....	60		5	42	6	2		2	3
South Hadley, Mass. ....	Mount Holyoke College. ....	2					2			
Wellesley, Mass. ....	Wellesley College. ....	77			51	3	23			
Albert Lea, Minn. ....	Albert Lea College. ....	1		1						
Blue Mountain, Miss. ....	Blue Mountain Female College. ....	11		6	3				2	
Clinton, Miss. ....	Central Female Institute. ....	3							3	
Shuqualak, Miss. ....	Shuqualak Female College. ....	7		7						
Summit, Miss. ....	Lea Female College. ....	5		4					1	
Columbia, Mo. ....	Stephens Female College. ....	19		8	3				8	
Fulton, Mo. ....	Fulton Synodical Female College. ....	15				3	3		9	
Independence, Mo. ....	Kansas City Ladies' College. ....	4					2		2	
Mexico, Mo. ....	Hardin College. ....	16		3	4				9	
Anrora, N. Y. ....	Wells College. ....	7			7					
Poughkeepsie, N. Y. ....	Vassar College. ....	53			49	4				
Asheville, N. C. ....	Asheville Female College. ....	8		1		7				
Dallas, N. C. ....	Gaston College. ....	11		5	3		2		1	
Thomasville, N. C. ....	Thomasville Female College. ....	4			2	2				
Cincinnati, Ohio ....	Cincinnati Wesleyan College. ....	16			5	3	6		2	
Bethlehem, Pa. ....	Moravian Seminary for Young Ladies. ....	3			3					
Bryn Mawr, Pa. ....	Bryn Mawr College. ....	24			24					
Chambersburg, Pa. ....	Wilson College. ....	13			10				3	
Pittsburgh, Pa. ....	Pittsburgh Female College. ....	15		5	4				4	2
Due West, S. C. ....	Due West Female College. ....	21		21						
Greenville, S. C. ....	Greenville Female College. ....	5				5				
Brownsville, Tenn. ....	Brownsville Female College. ....	6					d6			
Do. ....	Wesleyan Female College. ....	6		6						
Columbia, Tenn. ....	Columbia Athenæum. ....	8		8						
Jackson, Tenn. ....	Memphis Conference Female Insti- tute. ....	18		17						1
Belton, Tex. ....	Baylor Female College. ....	8			3				1	1
Abingdon, Va. ....	Martha Washington College. ....	6			4		2			
Gordonsville, Va. ....	Central Female Institute. ....	8			8					
Marion, Va. ....	Marion Female College. ....	4		3					1	
Norfolk, Va. ....	Norfolk College for Young Ladies. ....	4			2	1			1	
Wheeling, W. Va. ....	Wheeling Female College. ....	6		4	1		1			

a A. B.

b Two D. D. and 2 LL. D.

c D. D.

d M. S.



TABLE 27.—Degrees conferred by professional schools in 1838-89.

Location.	Name.	All classes.		Theology.		Law.		Medicine.		
		In course.	Honorary.	In course, B. D.	Honorary, D. D.	In course, LL. B.	Honorary, LL. D.	In course, M. D.	In course, D. D. S.	In course, Ph. G.
1	2	3	4	5	6	7	8	9	10	11
SCHOOLS OF THEOLOGY.										
Talladega, Ala.....	Theological Department of Talladega College.	3	.....	3	.....	.....	.....	.....	.....	.....
Oakland, Cal.....	Pacific Theological Seminary.....	3	.....	3	.....	.....	.....	.....	.....	.....
Atlanta, Ga.....	Gammon School of Theology.....	2	0	2	.....	.....	.....	.....	.....	.....
Chicago, Ill.....	Chicago Theological Seminary.....	6	.....	6	.....	.....	.....	.....	.....	.....
Morgan Park, Ill.....	Baptist Union Theological Seminary.....	24	.....	24	.....	.....	.....	.....	.....	.....
Louisville, Ky.....	Southern Baptist Theological Seminary.	12	.....	12	.....	.....	.....	.....	.....	.....
Baltimore, Md.....	Theological Seminary of St. Sulpice and St. Mary's University.	13	1	13	1	.....	.....	.....	.....	.....
Cambridge, Mass.....	Episcopal Theological School.....	7	.....	7	.....	.....	.....	.....	.....	.....
Faribault, Minn.....	Seabury Divinity School.....	7	.....	7	.....	.....	.....	.....	.....	.....
Madison, N. J.....	Drew Theological Seminary.....	18	.....	18	.....	.....	.....	.....	.....	.....
Canton, N. Y.....	Canton Theological School.....	2	.....	2	.....	.....	.....	.....	.....	.....
New York, N. Y.....	General Theological Seminary of the Protestant Episcopal Church.	8	.....	8	.....	.....	.....	.....	.....	.....
Gambier, Ohio.....	Theological Seminary of the Protestant Episcopal Church in the Diocese of Ohio.	.....	1	.....	1	.....	.....	.....	.....	.....
Meadville, Pa.....	Meadville Theological School.....	3	.....	3	.....	.....	.....	.....	.....	.....
Richmond, Va.....	Richmond Theological Seminary.....	2	1	2	1	.....	.....	.....	.....	.....
Nashotah, Wis.....	Nashotah House.....	3	.....	3	.....	.....	.....	.....	.....	.....
SCHOOLS OF LAW.										
Louisville, Ky.....	Law Department of the University of Louisville.	12	.....	.....	.....	12	.....	.....	.....	.....
Baltimore, Md.....	School of Law of the University of Maryland.	33	.....	.....	.....	33	.....	.....	.....	.....
Albany, N. Y.....	Albany Law School (Union University).	25	.....	.....	.....	25	.....	.....	.....	.....
New York, N. Y.....	Law Department of the University of the City of New York.	41	.....	.....	.....	41	.....	.....	.....	.....
Cincinnati, Ohio.....	Law School of the Cincinnati College.	92	.....	.....	.....	92	.....	.....	.....	.....
Portland, Oregon.....	Law School of the University of Oregon.	7	.....	.....	.....	7	.....	.....	.....	.....
SCHOOLS OF MEDICINE.										
Mobile, Ala.....	Medical College of Alabama.....	36	.....	.....	.....	.....	.....	32	.....	4
Little Rock, Ark.....	Medical Department, Arkansas Industrial University.	17	.....	.....	.....	.....	.....	17	.....	.....
San Francisco, Cal.....	California Medical College.....	10	.....	.....	.....	.....	.....	10	.....	.....
Do.....	Cooper Medical College.....	40	.....	.....	.....	.....	.....	40	.....	.....
Do.....	Hahnemann Hospital College.....	9	.....	.....	.....	.....	.....	9	.....	.....
Denver, Colo.....	Gross Medical College.....	10	.....	.....	.....	.....	.....	10	.....	.....
Atlanta, Ga.....	Atlanta Medical College.....	44	.....	.....	.....	.....	.....	44	.....	.....
Do.....	Georgia College of Eclectic Medicine and Surgery.	19	.....	.....	.....	.....	.....	19	.....	.....
Chicago, Ill.....	Bennett College of Eclectic Medicine and Surgery.	37	.....	.....	.....	.....	.....	37	.....	.....
Do.....	College of Physicians and Surgeons of Chicago.	50	.....	.....	.....	.....	.....	50	.....	.....
Do.....	Chicago Homeopathic Medical College.	54	.....	.....	.....	.....	.....	54	.....	.....
Do.....	Hahnemann Medical College and Hospital.	78	.....	.....	.....	.....	.....	78	.....	.....
Do.....	Rush Medical College.....	134	.....	.....	.....	.....	.....	134	.....	.....
Fort Wayne, Ind.....	Fort Wayne College of Medicine.....	9	.....	.....	.....	.....	.....	9	.....	.....
Indianapolis, Ind.....	Central College of Physicians and Surgeons.	7	.....	.....	.....	.....	.....	7	.....	.....
Do.....	Indiana Eclectic Medical College.....	8	.....	.....	.....	.....	.....	8	.....	.....
Des Moines, Iowa.....	Iowa College of Physicians and Surgeons.	9	.....	.....	.....	.....	.....	9	.....	.....
Do.....	Iowa Eclectic Medical College.....	8	.....	.....	.....	.....	.....	8	.....	.....

a Four of these are *ad eundem*.

TABLE 27.—Degrees conferred by professional schools in 1888-89—Continued.

Location.	Name.	All classes.		Theology.		Law.		Medicine.		
		In course	Honorary.	In course, B. D.	Honorary, D. D.	In course, LL. B.	Honorary, LL. D.	In course, M. D.	In course, D. D. S.	In course, Ph. G.
1	2	3	4	5	6	7	8	9	10	11
	SCHOOLS OF MEDICINE—continued.									
Louisville, Ky .....	Hospital College of Medicine.....	62						62		
Do.....	Louisville Medical College.....	103						103		
Baltimore, Md.....	Baltimore Medical College.....	21						21		
Do.....	Baltimore University School of Medicine.	16						16		
Do.....	College of Physicians and Surgeons.	67						67		
Do.....	University of Maryland, School of Medicine.	110						110		
Do.....	Woman's Medical College of Baltimore.	2						2		
Boston, Mass.....	College of Physicians and Surgeons.	9						9		
Detroit, Mich.....	Detroit College of Medicine.....	43						43		
Do.....	Michigan College of Medicine and Surgery.	11						11		
Minneapolis, Minn.....	Minneapolis College of Physicians and Surgeons.	1						1		
Kansas City, Mo.....	Kansas City Homeopathic Medical College.	4						4		
Do.....	Kansas City Medical College.....	17						17		
Do.....	University Medical College.....	15						15		
St. Joseph, Mo.....	Ensworth Medical College.....	9						9		
Do.....	Northwestern Medical College.....	15						15		
St. Louis, Mo.....	American Medical College.....	12						12		
Do.....	Beaumont Hospital Medical College.	24						24		
Do.....	Homeopathic Medical College of Missouri.	11						11		
Do.....	Missouri Medical College.....	81						81		
Do.....	St. Louis College of Physicians and Surgeons.	52						a46	6	
Do.....	St. Louis Medical College.....	16						16		
Omaha, Nebr.....	Omaha Medical College.....	7						7		
Hanover, N. H.....	Dartmouth Medical College.....	27						27		
Albany, N. Y.....	Albany Medical College.....	41						41		
Brooklyn, N. Y.....	Long Island College Hospital.....	46						46		
Buffalo, N. Y.....	Medical Department of the University of Buffalo.	46						46		
New York, N. Y.....	Bellevue Hospital Medical College.....	137						137		
Do.....	Eclectic Medical College of the City of New York.	12						12		
Do.....	New York Homeopathic Medical College and Hospital.	38						38		
Do.....	New York Medical College and Hospital for Women.	5						5		
Do.....	University of the City of New York, Medical Department.	179						179		
Do.....	Woman's Medical College of the New York Infirmary.	10						10		
Cincinnati, Ohio.....	American Eclectic Medical College.....	11						b11		
Do.....	Cincinnati College of Medicine and Surgery.	32						32		
Do.....	Eclectic Medical Institute.....	69						69		
Do.....	Medical College of Ohio.....	86						86		
Do.....	Miami Medical College.....	22						22		
Do.....	Pulte Medical College.....	24						24		
Do.....	Woman's Medical College of Cincinnati.	8						8		
Cleveland, Ohio.....	Homeopathic Hospital College.....	24						24		
Do.....	Medical Department of the University of Wooster.	21						21		
Do.....	Western Reserve University, Medical Department.	44						44		
Columbus, Ohio.....	Columbus Medical College.....	22						22		
Do.....	Starling Medical College.....	28						28		
Toledo, Ohio.....	Northwestern Ohio Medical College.....	9						9		
Do.....	Toledo Medical College.....	8						8		

a Two of these are *ad eundem*.b One of these was *ad eundem*.

TABLE 27.—Degrees conferred by professional schools in 1888-89.—Continued.

Location.	Name.	All classes.		Theology.		Law.		Medicine.		
		In course.	Honorary.	In course, B. D.	Honorary, D. D.	In course, LL. B.	Honorary, LL. D.	In course, M. D.	In course, D. D. S.	In course, Ph. G.
1	2	3	4	5	6	7	8	9	10	11
SCHOOLS OF MEDICINE—continued.										
Portland, Oregon .....	University of Oregon, Medical Department.	5	.....	.....	.....	.....	.....	5	.....	.....
Philadelphia, Pa. ....	Hahnemann Medical College and Hospital.	65	.....	.....	.....	.....	.....	65	.....	.....
Do.....	Jefferson Medical College.....	212	.....	.....	.....	.....	.....	212	.....	.....
Do.....	Medico-Chirurgical College.....	30	.....	.....	.....	.....	.....	30	.....	.....
Do.....	Woman's Medical College of Pennsylvania.	36	.....	.....	.....	.....	.....	36	.....	.....
Charleston, S. C. ....	Medical College of the State of South Carolina.	24	.....	.....	.....	.....	.....	24	.....	.....
Memphis, Tenn. ....	Memphis Hospital Medical College ..	63	.....	.....	.....	.....	.....	63	.....	.....
Rutland, Vt. ....	Vermont Medical College.....	22	.....	.....	.....	.....	.....	22	.....	.....
Richmond, Va. ....	Medical College of Virginia.....	13	.....	.....	.....	.....	.....	13	.....	.....
SCHOOLS OF DENTISTRY.										
Chicago, Ill. ....	American College of Dental Surgery.	30	.....	.....	.....	.....	.....	.....	30	.....
Do.....	Chicago College of Dental Surgery ..	64	.....	.....	.....	.....	.....	.....	64	.....
Indianapolis, Ind. ....	Indiana Dental College .....	17	.....	.....	.....	.....	.....	.....	17	.....
Louisville, Ky. ....	Louisville College of Dentistry .....	15	.....	.....	.....	.....	.....	.....	15	.....
Baltimore, Md. ....	Baltimore College of Dental Surgery.	44	.....	.....	.....	.....	.....	.....	44	.....
Do.....	University of Maryland, Dental Department.	39	.....	.....	.....	.....	.....	.....	39	.....
Boston, Mass. ....	Boston Dental College .....	23	.....	.....	.....	.....	.....	.....	23	.....
Kansas City, Mo. ....	Kansas City Dental College .....	11	.....	.....	.....	.....	.....	.....	11	.....
St. Louis, Mo. ....	Missouri Dental College .....	19	.....	.....	.....	.....	.....	.....	19	.....
New York, N. Y. ....	New York College of Dentistry .....	70	.....	.....	.....	.....	.....	.....	70	.....
Cincinnati, Ohio .....	Ohio College of Dental Surgery .....	65	.....	.....	.....	.....	.....	.....	65	.....
Philadelphia, Pa. ....	Pennsylvania College of Dental Surgery.	91	.....	.....	.....	.....	.....	.....	91	.....
SCHOOLS OF PHARMACY.										
Washington, D. C. ....	National College of Pharmacy .....	12	.....	.....	.....	.....	.....	.....	.....	12
Chicago, Ill. ....	Chicago College of Pharmacy .....	85	.....	.....	.....	.....	.....	.....	.....	85
La Fayette, Ind. ....	School of Pharmacy, Purdue University.	6	.....	.....	.....	.....	.....	.....	.....	6
Louisville, Ky. ....	Louisville College of Pharmacy .....	17	.....	.....	.....	.....	.....	.....	.....	17
Do.....	Louisville School of Pharmacy for Women.	3	.....	.....	.....	.....	.....	.....	.....	3
Baltimore, Md. ....	Maryland College of Pharmacy .....	51	.....	.....	.....	.....	.....	.....	.....	51
Boston, Mass. ....	Massachusetts College of Pharmacy.	27	.....	.....	.....	.....	.....	.....	.....	27
Minneapolis, Minn. ....	Minnesota College of Pharmacy .....	2	.....	.....	.....	.....	.....	.....	.....	2
Kansas City, Mo. ....	Kansas City College of Pharmacy .....	2	.....	.....	.....	.....	.....	.....	.....	2
St. Louis, Mo. ....	St. Louis College of Pharmacy .....	33	.....	.....	.....	.....	.....	.....	.....	33
Albany, N. Y. ....	Albany College of Pharmacy .....	22	.....	.....	.....	.....	.....	.....	.....	22
Buffalo, N. Y. ....	Buffalo College of Pharmacy .....	16	.....	.....	.....	.....	.....	.....	.....	16
New York, N. Y. ....	College of Pharmacy of the City of New York.	106	.....	.....	.....	.....	.....	.....	.....	106
Cincinnati, Ohio .....	Cincinnati College of Pharmacy .....	18	.....	.....	.....	.....	.....	.....	.....	18
Philadelphia, Pa. ....	Philadelphia College of Pharmacy .....	158	.....	.....	.....	.....	.....	.....	.....	158
Pittsburgh, Pa. ....	Pittsburgh College of Pharmacy .....	14	.....	.....	.....	.....	.....	.....	.....	14
SCHOOLS OF VETERINARY MEDICINE.										
Chicago, Ill. ....	Chicago Veterinary College.....	47	.....	.....	.....	.....	.....	a47	.....	.....
New York, N. Y. ....	American Veterinary College.....	43	.....	.....	.....	.....	.....	a43	.....	.....
Do.....	New York College of Veterinary Surgeons.	22	.....	.....	.....	.....	.....	a22	.....	.....

a These are V. S.



## VI.—COURSES

TABLE 28.—*Courses of study in*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
1	University of Alabama, University, Ala.	A. B. ....	Freshman: Latin—Horace, Latin prosody, exercises in writing Latin; Greek—Gram. (Goodwin), Leighton's Lessons, Xen. Sophomore: Latin—Horace, Cic., Caesar, Latin comp.; Greek—Xen., Plato, Herod., Greek comp. Junior: Latin—Catullus, Tibullus, and Propertius, Latin metres, Roman lit., Tacitus, comp., extemporalia, Terence, and Pliny's letters; Greek—Thucyd., Homer, Greek hist. comp., Æschylus, Sophocles, Eurip., or Aristophanes.	Freshman: Alg. (Wells), geom. (Wentworth). Sophomore: Trig. and analyt. geom. (Wentworth). Senior: Astron. (Newcomb and Holden).
		B. S. ....	Freshman and Sophomore: Same as in A. B. course, except that Greek is elective with physics and chem.	Same as in A. B. course. ....
		C. E. ....		Freshman: Same as in A. B. course. Sophomore: Trig., descrip. geom., analyt. geom., quaternions. Junior: Dif. and integ. calc. (Taylor). Senior: Astron. (Snell's Olmsted, Newcomb and Holden).
2	University of California, Berkeley, Cal.	A. B. ....	Freshman: Latin—Livy, Cicero, Horace, comp.; Greek—Homer, Herod., Thucyd., Xen., Demos. Sophomore: Latin—Horace, Cicero, Plautus, Terence, Roman archaeology; Greek—Plato, Æschylus, Eurip., Sophocles. Junior: Latin—Cic., Quint., Juvenal, Tacitus. Greek—Sophocles, Plato, Lysias, Demos. Senior: Latin—Cic., Lucretius, Rom. lit., Virgil, elegiac poets; Greek—Demos., Æschines, Aristophanes, Greek lit.	Freshman: Geom., alg. Sophomore: Trig., analyt. geom. Junior: Dif. and integ. calc., dif. equations, analyt. geom. of space, conic sections (Salomon), quaternions, math. exercises in lab'y. Senior: Any elective, gen. astron. (Newcomb and Holden).
		B. L. ....	Latin—Same as in A. B. course. Senior: Greek—Greek lit.	Same as in A. B. course. ....
		Ph. B. ....	Freshman: Latin—Livy, Cic., Horace, comp.; Greek—Homer, Herod., Thucyd., Xen., Demos. Sophomore: Latin—Horace, Cic., Plautus, Terence; Greek—Plato, Æschylus, Eurip., Sophocles.	Freshman and Sophomore: Same as in A. B. course. Junior: Dif. equations, conic sections, quaternions.
		B. S. in Agr.		Freshman: Geom., alg., trig., analyt. geom., dif. calc., math. exercises in lab'y. Sophomore: Dif. calc., int. calc. Junior: Sur. Senior: Astron.
		B. S. in Mech.		Freshman: Same as in B. S. course in Agr. Sophomore: Dif. and integ. calc., analyt. geom. of space, math. exercises. Junior: Dif. equations, least squares, analyt. mech., conic secs., quaternions. Senior: Hydrodynamics, any elective.

## OF STUDY.

colleges and universities.—PART I.

*Italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Gram. and anal. (Meiklejohn), comp., elocution. Sophomore: Comp. and rhet. (Raub), comp., higher rhet., elocution. Junior: Essays, Eng. lit. (Kellogg), Eng. classics, orations. Senior: Anglo-Saxon (Sweet), Eng. lang. (Gilmore), Eng. classics, orations.	Junior: French—Principia, Fr. reader (Otto); German—Gram. (Ahn), reader (Whitney), Lamartine. Senior: French—Lacombe, Molière, Corneille; German—Schiller, Goethe, Lessing.	Junior: Logic (Jevons-Hill). Senior: Ment. phil. (Haven), moral phil. (Peabody).	1
Freshman and Sophomore: Same as in A. B. course.	Same as in A. B. course.....		
Same as in B. S. course.....			
Freshman: Eng. prose style. Sophomore: Hist. of Eng. lit., Eng. classics. Junior: <i>Shakespeare, Burke, old English</i> . Senior: <i>Chaucer and middle English, Longfellow's Dante, advanced old English, Milton</i> .	Sophomore: <i>Introductory courses in French and German</i> . Junior: German— <i>Middle high Ger., Goethe or Lessing</i> . French— <i>Advanced course</i> . Senior: German— <i>Lessing or Goethe</i> ; French— <i>Advanced course</i> .	Junior: <i>Empirical psychology, hist. of European phil.</i> Senior: <i>Et. ethics, ancient idealism, modern idealism, Kant's pract. phil.</i>	2
Same as in A. B. course.....	Freshman: German— <i>Gram.</i> (Joyne-Meissner), <i>prose</i> (Boisen); French— <i>Gram.</i> (Kee-tel), <i>reading</i> . Sophomore: German— <i>Schiller</i> ; French— <i>Gram., Horace, discours sur le style</i> (Buffon), <i>Hernani, Le Misanthrope</i> . Junior and Senior: Same as in A. B. course.	Same as in A. B. course.	
Freshman: <i>Eng. prose style</i> . Sophomore: <i>Hist. of Eng. lit.</i> , Eng. classics. Junior and Senior: Same as in A. B. course.	Same as in B. L. course .....	Same as in A. B. course.	
Freshman: Eng. prose style, preparation of summaries.	Freshman and Sophomore: Same as in B. L. course. Junior: German— <i>Goethe or Lessing</i> ; French—Same as in B. L. course.		
Same as in B. S. course in Agr..	Same as in B. L. course .....		

TABLE 28. — *Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
2	University of California, Berkeley, Cal.—Continued.	B. S. in Min.	.....	Freshman and Sophomore: Same as in B. S. course in Mech. Junior: <i>Dif. equations</i> , analyt. mech., <i>conic secs.</i> , <i>quaternions</i> , sur. Senior: Same as in B. S. course in Mech.
		B. S. in Civ. Eng.	.....	Freshmen and Sophomore: Same as in B. S. course in Mech. Junior: <i>Dif. equations</i> , least squares, analyt. mech., sur., <i>conic secs.</i> , <i>quaternions</i> . Senior: Hydrodynamics, nav., astron., any elective.
		B. S. in Chem.	.....	Same as in B. S. course in Agr.
3	University of Colorado, Boulder, Colo.	.....	Latin—Mythology, Tibullus, Propertius, Horace, Cicero, Juvenal, Tacitus, Plant., Terence, Lucretius, Catullus, Virgil, Rom. hist., Rom. Archaeol., prose. Greek—Homer, hist. of Greece, Homeric Criticism, Soph., Greek lit., Æschylus, Eurip., lyric poetry, Greek art and comedy, Aristophanes, comp., Demos., Socrates, Oratory, Plato, Herod., Greek phil., Thucyd., Greek in English.	Higher alg. (Bowser, Olney, Todhunter), trig. (Wentworth, Wells, Chauvenet), plane analyt. (Briggs, Olney, Newcomb, Salmon), solid analyt. (Aldis, Frost), calc. (Taylor, Byerly, Rice and Johnson, Williamson), determinants (Hanus, Peck, Scott), quaternions (Hardy, Tait, Hamilton), hist. of math. (Ball, Gow, Allman), descrip. astron. (Chambers), pract. astron. (Loomis, Chauvenet, Doolittle), gen. astron. (Newcomb and Holden, Young), theoret. astron. (Watson), plane sur. (Carhart, Van Amringe, Johnson), geodesy (Gore, Clarke).
4	University of Denver, Denver, Colo.	A. B. ....	Freshman: Latin—Livy; Greek—Odyssey. Sophomore: Latin—Horace; Greek—Plato, Thucyd. Junior: Latin—Tacitus, Cic., Terence; Greek—Demos. Senior: Greek—A drama.	Freshman: Sph. trig. and sur. (Wells), higher equations (Howe). Sophomore: Analyt. geom., mechanics (Wood). Senior: Astron. (Newcomb and Holden).
		B. L. ....	Latin—Same as in A. B. course.	Freshman and Senior: Same as in A. B. course.
		B. S. ....	.....	Freshman: Sph. trig. and sur., higher equations, math. review. Sophomore: Analyt. Geom., mechanics. Junior: Calc. (Taylor), analyt. mech. (Peck). Senior: Math. astron. and astron.
5	Trinity College, Hartford, Conn.	A. B. ....	Freshman: Latin—Cic., Livy, Horace, Pliny, comp.; Greek—Homer, Herod., comp., hist., hist. of lit. Sophomore: Latin—Tacitus, hist., Catullus, Tibullus, Propertius, Ovid, Lucan, Virgil, hist. of Rom. lit.; Greek—Eurip., hist. of the drama, Plato, Demos., Theocritus, hist. of lit. Junior: Latin—Tacitus, hist., Horace, Lucretius, Quintilian; Greek—Plato, comp., Eurip., Homer, Lucian. Senior: Latin—Cic., or Seneca, Persius and Juvenal, Quintilian; Greek—Æschylus, comp., Eurip., Homer, Lucian.	Freshman: Alg., geom. of space, plane and sph. trig., sur., nav. Sophomore: Analyt. geom., analyt. mech. (Peck), Junior: <i>Dif. and integ. calc.</i> , math. and descrip. astron. Senior: Astron.



and universities.—PART I—Continued.

*italics are elective.*

English.	Modern languages.	Philosophy.	
Same as in B. S. course in Agr..	Freshman and Sophomore: Same as in B. L. course.	.....	2
Same as in B. S. course in Agr..	Same as in B. S. in Mining .....	.....	
Freshman: Same as in B. S. course in Agr. Sophomore: <i>Hist. of Eng. lit., Eng. classics.</i> Junior: Same as in A. B. course.	Freshman: German—Gram., Ger. prose. Sophomore: Schiller. Junior: French—Gram., reading.	.....	
Sweet's Anglo-Saxon Reader (Beowulf), Whitney's Life and Growth of Lang., early Eng. (Morris and Skeat), hist. of Eng. lang., study of Eng. authors, criticism, lectures, comp., lit., rhetoric, oratory, English authors of America.	German—German plays, tales, and conversations, German historical dramas, gram. and reader (Whitney), modern fiction, Ger. lyrics and ballads, comp., Schiller, Lessing, Goethe, <i>literaturgeschichte</i> ; French—Gram. (Whitney), prose authors, <i>littérature Française</i> , Alfred de Vigny's <i>Cinq Mars</i> , La Fontaine's <i>Fables</i> , modern comedies, <i>Athalie</i> , <i>L'Avare</i> , <i>Le Cid</i> , prose of the nineteenth century.	Logic (Jevons), psychology (Sully), moral phil. (Calderwood), introduction to phil. of Kant (Morris's Kant).	3
Junior: English lit., rhetoric (Whately).	German—Freshman: Gram. (Cook's Otto), reading.	Junior: Psychology (Porter), ethics (Calderwood), logic (McCosh), Christian evidences (Hopkins).	4
Sophomore: Eng. Junior: Chaucer, Spencer, The Elizabethan Age, lit. of 18th and 19th centuries, rhetoric.	Freshman: Same as in A. B. course. Sophomore: Boisen, Goethe, Wilhelm Tell.	Same as in A. B. course.	
Junior: Lit. of 18th and 19th centuries, rhetoric.	Freshman: German—Boisen, Goethe, Wilhelm Tell.	Same as in A. B. course.	
Freshman: Study of words (Trench), hist. of Eng. lang. (Lounsbury), elocution. Sophomore: Rhetoric (Genung), lectures on discourse, themes, Minto's Manual, elocution. Junior: Hist. of Eng. lang. (Craik), essays, lectures, hist. of Eng. lit. (Shaw), <i>Lanier on the Eng. novel</i> , <i>Taine's Eng. lit.</i> Senior: Phil. of lit. (Bascom), lectures, orations, <i>Shakspeare, his Mind and Art</i> (Dowden), <i>Mulford's The Nation</i> .	Sophomore: French—Gram. (Keetel), <i>Les Prosateurs français</i> (Roche), lectures. Junior: German—Gram. (Cook's Otto), <i>Bilderbuch ohne Bilder</i> (Andersen), reader of Ger. lit. (Rosenstengel), Wilhelm Tell, lect.; French— <i>Tableaux de la Révolution Française</i> (Crane and Bram), <i>Themes</i> . Senior: German— <i>Modern comedy and romance</i> ; French— <i>Les Poètes Français</i> (Roche), <i>French prosody</i> (De Banville).	Junior: <i>Moral phil.</i> (Haven). Senior: Hamilton's metaphysics (Bowen), Cousin's metaphysics (Henry), logic, <i>elements of morality</i> (Whewell), <i>Plutarch on the Divine justice</i> , Butler's Analogy, Butler's sermons on human nature, moral phil. (Wayland), human and comp. psychology (Wilson), logic (Jevons, Wilson), <i>hist. of moral phil.</i> (Whewell), <i>intuitions of the mind</i> (McCosh).	5

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
5	Trinity College, Hartford, Conn.— Continued.	B. S. in L. and S.	Latin—Freshman and Sophomore: Same as in A. B. course.	Freshman and Sophomore: Same as in A. B. course. Junior: Diff. and integ. calc., math. and descrip. astron. Senior: <i>Astron.</i>
		B. S. in Science.	.....	Sophomore: Sph. trig., sur., nav., analyt. geom., analyt. mech. Junior and Senior: Same as in B. S. course in letters and science.
		B. L. ....	Latin—Same as in A. B. course.	Same as in A. B. course.....
6	Wesleyan University, Middletown, Conn.	A. B. ....	Freshman: Latin—Livy, Horace, comp.; Greek—Herod., Thucyd., Homer, lect. Sophomore: Latin—Plautus, Terence, Cic., Tac., <i>Livy, Sallust, Virgil, comp.</i> ; Greek—Æschines and Demos., Æschylus, Soph., lect., Plato, Greek phil. Junior: Latin— <i>Pliny, Tacitus, Tibullus, Catullus, Tac., Ovid, Lucretius, Cæsar, Propertius, advanced work.</i> Greek— <i>Aristophanes, Æchy., Soph., Eurip., Plato, Aristotle, Xen., Biblical Greek, Pindar, Lucian, Neo-Hellenic, Pausanias</i> ; Hebrew.	Freshman: Sol. geom. (Chauvenet), alg. (Hall and Knight), trig. (Wheeler). Sophomore: Analyt. geom. (Wentworth), <i>conic sec.</i> (Smith), <i>sol. geom.</i> (Aldis). Junior: <i>Diff. calc.</i> (Williamson), astron. (Young), <i>diff. and integ. calc.</i> (Taylor, Williamson). Senior: <i>Analyt. mech., pract. astron.</i> (Chauvenet).
		Ph. B. ....	Latin—Freshman: Same as in A. B. course. Sophomore: <i>Plautus, Terence, Cic., Tac., Livy, Sallust, Virgil, comp.</i> Junior: Same as in A. B. course.	Same as in A. B. course.....
		B. S. ....	.....	Freshman: Analyt. geom. Sophomore: Astron., <i>conic secs., sol. geom., diff. and integ. calc.</i> Junior: <i>Analyt. mech., pract. astron.</i>
7	Yale University, New Haven, Conn.	A. B. ....	Freshman: Latin—Livy, Cic., Horace, comp., hist. of Rom. Repub.; Greek—Homer, Xenophon, Herod., Demos., comp. Sophomore: Latin—Cic., Tac., Horace, Plautus, Terence; Greek—Æschylus, Soph., Eurip., Thucyd., Plato, Demos. Junior and Senior: Latin—Comp., Cic., <i>Quintilian, Tac., Catul-</i>	Freshman: Geom. (Chauvenet), plane trig. (Richards), alg. (Phillips and Beebe). Sophomore: Trig. (Richards), analyt. geom. (Loomis), mech. (Dana). Junior: Astron. (Loomis), <i>calc., higher trig., analyt. geom., descrip. geom., geodesy, descrip. astron.</i> Senior: <i>Calc., higher trig., analyt. geom.,</i>

## and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Same as in A. B. course.....	Freshman: French—Gram., Les Prosateurs français, lect. Sophomore: German—Gram., Bilderbuch ohne Bilder, reader of Ger. lit., Wilhelm Tell, lect.; French—Tableaux de la Révolution française, themes. Junior: German— <i>Mod. comedy and romance</i> . Senior: French—Same as in A. B. course.	Junior: <i>Elements of morality</i> (Whewell), <i>Plutarch on the divine justice</i> , <i>Marcus Aurelius</i> . Senior: Hamilton's metaphysics (Bowen), Cousin's metaphysics (Henry), logic, Butler's analogy, Butler's sermons on human nature, moral phil. (Wayland), psychol., moral sentiments (Smith), intuitions of the mind.	5
Sophomore: Same as in A. B. course. Junior: Same as in A. B. course, omitting the electives. Senior: Same as in A. B. course.	Sophomore: French—Same as in A. B. course; German—Same as Junior in A. B. course. Junior: German—Same as Junior in B. S. in letters and science; French—Same as Sophomore in B. S. in L. and S. Senior: French—Same as in A. B. course.	Sophomore: Moral phil. (Haven). Senior: Hamilton's metaphysics, Cousin's metaphysics (Henry), logic, Butler's analogy and sermons on human nature, moral phil., psychology, <i>hist. of moral phil., intuitions of the mind</i> .	
Same as in A. B. course, with addition of reading Shakespeare and lectures on Shakspearian criticism.	Freshman and Sophomore: Same as in B. S. course in L. and S. Junior: German—Modern comedy and romance; French—Les Poètes français, French prosody.	Junior: <i>Marcus Aurelius</i> . Senior: Hamilton's metaphysics, Cousin's metaphysics (Henry), logic, elements of morality, <i>Plutarch on the divine justice</i> , Butler's analogy and sermons on human nature, moral phil., psychology, logic, <i>moral science, intuitions of the mind</i> .	
Freshman: Eng. lang. (Trench), el. rhet., declamation. Sophomore: Rhet. (Genung), declamation. Junior: Declamation, <i>Eng. lit., Eng. comp., theory of elocution</i> .	Freshman: German—Gram. (Whitney), reader (Whitney), or French gram. (Whitney). La Jeune Sibérienne, La Mare au Diable, Mlle. de la Seiglière, Le Roi des Montagnes, Les Lépreux de la Cité d'Aoste. Sophomore: German— <i>Goethe, Wilhelm Tell, Minna Von Barnhelm</i> ; French— <i>Le Cid, Andromaque, L'Avare, Hernani, collateral reading</i> . Junior: German— <i>Schiller's Wallenstein, Trilogy, Lessing's Nathan der Weise, Goethe's Faust</i> .	Sophomore: Logic (Jevons-Hill). Junior: Psychology (Sully), <i>logic</i> (Mill), <i>phil.</i> (Stuckenberg, Schwegler). Senior: <i>Hist. of modern phil.</i> (Schwegler), evidences of Christianity (Row-Fisher), ethics (Porter).	6
Same as in A. B. course.....	Freshman: German—Gram., reader, or French gram., La Jeune Sibérienne, La Mare au Diable, Mlle. de la Seiglière, Le Roi des Montagnes, Les Lépreux de la Cité d'Aoste, and same as in Sophomore in A. B. course. Junior: Same as in A. B. course.	Same as in A. B. course.	
Freshman, Sophomore, and Junior: Same as in A. B. course. Senior: <i>Eng. lit.</i>	Freshman: German—Gram. and reader; French— <i>Le Cid, Andromaque, L'Avare, Hernani, collateral readings</i> ; or French—Same as in A. B. course; and German— <i>Goethe, Wilhelm Tell, Lessing, Sophomore: Same as Junior in A. B. course</i> .	Same as in A. B. course.	
Sophomore: Rhet. and rhetorical anal., comp. Junior: <i>Anglo-Saxon and early English</i> (Sweet, Morris, and Skeat), <i>hist. of Eng. lang.</i> (Lounsbury), <i>reading English masters</i> . Senior: Same as in Junior and 19th century lit.	Freshman: El. French or German. Sophomore: Advanced French or German. Junior and Senior: <i>French, German, Spanish, Italian</i> .	Junior: Logic (Jevons, Fowler), psychology (Lotze, Porter), <i>physiological psychology</i> (Ladd). Senior: Psychology (Lotze, Porter), ethics (Porter), Theism and evidences of Christianity, <i>ethics and phil.</i> (Sidgwick, Martineau, Abbot, Porter, Laurie, Green),	7



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
7	Yale University, New Haven, Conn. —Continued.	A.B.—Con.	<i>Ius, Virgil, Horace, Juvenal, Livy, Terence, Plautus, Seneca; Greek—Æschylus, Plato, Soph., Pindar, Demos., Greek Testament, Socrates, Eurip., comp., topography and monuments of Athens, Greek element in Eng. lang.</i>	<i>descrip. geom., geodesy, descrip. astron., pract. astron., integ. calc. and mech., vector anal., computation of orbits.</i>
8	Sheffield Scientific School, New Haven, Conn.	B. S. in Chem.		Freshman: Alg., plane an- alyt. geom.
		B. S. in Civ. Eng.		Freshman: Same as in B. S. course in Chem. Junior: Analyt. geom., dif. calc., sur., integ. calc., rational mech. Senior: Sph. trig. and astron.
		B. S. in Mech. Eng.		Freshman and Junior: Same as in B. S. in Civ. Eng.
		B. S. in Agr.		Same as in B. S. course in Chem.
		B. S. in Nat. Hist.		Same as in B. S. course in Chem.
		B. S. in Biology.		Same as in B. S. course in Chem.
9	Columbian Univer- sity, Washington, D. C.	A. B. ....	Freshman: Latin—Ovid's Metamorphoses, Livy, Gram., Horace, Hist. of Rome (Leighton); Greek— Homer, syntax (Boise), gram., hist. of Greece (Smith), Herod., Thucyd. Sophomore: Latin—Horace, Cic., comp., gram., Ter- rence, Tac., Roman lit; Greek—Xen., comp., Iso- crates or Thucyd. Junior: Latin—Tac., Pliny, hist. of Latin lit., Juvenal, Cic., Latin syntax, original exer- cises; Greek—Soph., Eu- rip., hist. of Greek lit., comp., Demos. Senior: Latin—Quintilian; Greek— Plato.	Freshman: Synthetic geom. (Newcomb), alg. (Went- worth), original exercises. Sophomore: Trig. (Wells), analyt. geom. (Wentworth) Junior: Dif. and integ. calc. (Taylor), calc. of prob. and least squares. Senior: mech. (Smith), astron. (New- comb).
		B. L. ....	Same as in A. B. course.....	Same as in freshman and sophomore in A. B. course.
10	Corcoran Scientific School, Washing- ton, D. C.	B. S. ....		Same as in A. B. course.
		B. S. ....		Freshman: alg., geometry. Sophomore: trig., analyt. geom. Junior: calc., as- tron. Senior: Astron.
		C. E. ....		Freshman: Same as in B. S. course. Sophomore: trig., analyt. and descrip. geom. Junior: calc., sur., descrip. astron. Senior: Pract. as- tron., geodesy.
		B. S. in Chem.		Freshman: Same as in B. S. course. Junior: Astron.
11	Georgetown Univer- sity, Washington, D. C.	A. B. ....	Freshman: Latin—Sallust, Virgil, gram. (Yenni), comp., prosody; Greek— reader (Goodwin), Homer, gram. (Yenni), themes. Sophomore: Latin—Virgil, Livy, Horace, prosody, Cic., comp.; Greek—Homer, Demos., gram., themes. Junior: Latin—Cic., Quinti- lian, Horace, lect. on rhet., Tac., Juvenal, comp.; Greek—Demos., Soph., themes.	Freshman: Geom. (Went- worth). Sophomore: Trig. (Wentworth), sur., ana- lyt. geom. Junior: Dif. and integ. calc. (Taylor), mech. (Dana). Senior: As- tron. (Newcomb and Hol- den), mech. (Dana).]

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
		<i>philosophical anthropology</i> (Lotze's <i>Microcosmus</i> ), <i>phil.</i> (Hartman), <i>logic</i> (Mansel, Jevons), <i>hist. of phil.</i> from Descartes to Kant, <i>physiological psychology</i> (Ladd).	7
Freshman: Hist. of Eng. lang. (Lounsbury).	Freshman: German gram. and reader (Whitney). Junior: French and German. Senior: French.	.....	8
Same as in B. S. course in Chem.	Same as in B. S. course in Chem.		
Same as in B. S. course in Chem.	Same as in B. S. course in Chem.		
Same as in B. S. course in Chem.	Same as in B. S. course in Chem.		
Same as in B. S. course in Chem.	Same as in B. S. course in Chem.		
Freshman: Rhetoric (Genung), Eng. hist. (Thompson), elocution, essays, hist. of U. S. (Eliot). Sophomore: Eng. lit., Anglo-Saxon, Shakespeare, elocution, essays. Junior: Eng. prose and prose writers (Hunt), elocution, essays. Senior: Essays, orations, advanced Anglo-Saxon.	Freshman: French—Keutel's Collegiate Course, Erckmann-Chatrian, Molière, Racine, Corneille; German—Gram. (Sheldon), Studien und Planereien, Das Kalte Herz. Sophomore: French—Gram. (Sauveur), Lacombe, Molière, Racine, Corneille, De Staël; German—Select readings. Junior: French—Molière, Corneille, Racine, Saintine, Pylodets's Littérature Contemporaine; German—Lessing, Auerbach, Schiller, Goethe, Heyse. Senior: French—Pylodets's Littérature Classique, Victor Hugo, Crane; German—Elective readings, seminary studies, lectures.	Sophomore: Logic (Jevon). Junior: Induc. logic (Fowler), psychology (Sully), hist. of mental phil. Senior: Psychology, polit. phil. (Cooley), hist. of phil., lectures, nat. theology (Butler), moral phil. (Calderwood), hist. of moral phil.	9
Same as in A. B. course .....	Same as in A. B. course .....	Same as in A. B. course.	
Same as in A. B. course .....	Same as in A. B. course .....	Same as in A. B. course.	
Freshman: Rhet., Eng. lang. Sophomore: Eng. lit.	Freshman, Sophomore, Junior, and Senior: French and German.	Sophomore: Induct. and deduc. logic. Senior: mental and moral phil.	10
Same as in B. S. course .....	Freshman, Sophomore, and Junior: French, German.	Sophomore: Same as in B. S. course.	
Same as in B. S. course .....	Freshman: French, German.		
Freshman: Fisk's Antiquities, laws of versification, Connolly's reader, De Harle's full catechism, declamation, comp. Sophomore: Eng. lit. (Brooke), rhet. (Genung), Eng. poems (Hale), comp. Junior: Rhet., Eng. lit., poems, declamations, comp.	Freshman: French—Gram. (Fasquelle), Molière, Corneille, Racine, Boileau, comp.; German—Gram. (Cook's Otto), reader (Evan's Otto). Sophomore: Elective. Junior: Elective.	Senior: Logic and metaphysics (Russo), ethics (Jouin), natural right.	11

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
12	Howard University, Washington, D. C.	A. B. ....	Freshman: Latin—Cic., Horace, comp., lectures; Greek—Xen., Plato, comp., hist. of Greek lit., Homer, Herod. prosody, Thucyd., Demos. Sophomore: Latin—Tac., Juvenal, Quintilian, Rom. lit.; Greek—Homer, Greek mythology, Æschylus, Sophocles, Greek drama. Junior: Demos., the Greek orators.	Freshman: Alg., geom., trig., sur. (Wentworth). Sophomore: Sph. trig. and analyt. geom. (Wentworth), mech. Junior: Astron.
13	University of Georgia, Athens, Ga.	A. B. ....	Freshman: Latin—Leighton's Latin lessons, Cic., Ovid, Arnold's Latin prose comp.; Greek—Xen., Herod. prose comp. Sophomore: Latin—Horace, prose comp.; Greek Xen., tragedy, comp. Junior: Latin—Terence, original exercises; Greek—Tragedy, original exercises. Senior: Latin—Juvenal, Plautus, Rom. civil law, original exercises; Greek—Æschylus, Plato, Grecian hist., original exercises.	Freshman: Alg. (Olney), geom. (Wentworth). Sophomore: Alg., geom., trig., and log. (Wentworth). Mens., sur., nav., analyt. geom., calc. Junior: Analyt. geom. (Bowser), calc. (Taylor), descrip. geom. (Church).
		B. S. ....	Latin—Same as in the A. B. course.	Freshman, Sophomore, and Junior: Same as in A. B. course. Senior: Calc., astron. (Godfary).
		Ph. B. ....	Latin—Same as in A. B. course or Greek—Same as in A. B. course.	Same as in A. B. course. ....
		B. Agr. ....	.....	Freshman: Alg., geom. Sophomore: Alg., geom., trig., mens., sur., analyt. geom., calc. Junior: Sur. Senior: Descrip. astron.
		B. C. E. ....	.....	Freshman and Sophomore: Same as in B. Agr. course. Junior: Analyt. geom., dif. and integ. calc., sur., descrip. geom. Senior: Dif. and integ. calc. sph. and descrip. astron.
		B. C. S. ....	.....	Freshman and Sophomore: Same as in B. Agr. course. Senior: Astron.
14	Atlanta University, Atlanta, Ga.	A. B. ....	Freshman: Latin—Cic., Livy, prose (Jones); Greek—Gram., first lessons (Boise), Xen. Soph.: Latin—Livy, Tac., Horace; Greek—Xen., Homer, Junior: Latin—Cic.; Greek—Demos., Testament, Plato.	Freshman: Alg. (Peck), plane geom. (Bradbury). Sophomore: Sol. and sph. geom. (Bradbury), trig. and sur. (Wentworth). Junior: Astron. (Lockyer).
15	Emory College, Oxford, Ga.	A. B. ....	Freshman: Latin—Sallust, prose comp., gram., Roman antiquity, hist. of Rome, prosody, Virgil, ancient geog.; Greek—Testament, prose comp., Geog. of Greece, gram., manual of pronunciation, Diodorus, Herod., comp.; Sophomore: Latin—Horace, prosody, comp., gram., mythology, (Keightley); Greek—Thucyd., comp., gram., Grecian mythology, Homer, Demos., hist. of Greek lit. Junior: Latin—Cic., hist. of Rome, comp. gram., Roman antiquities, Tac., Terence; Greek—Plato, gram. Sophocles, Thucyd., hist. of Greece.	Freshman: Alg. and geom. (Robinson). Sophomore: Trig. and sur. (Robinson). Junior: Analyt. geom. (Loomis). Mech. (Snell's Olmsted). Senior: Dif. and integ. calc. (Loomis), astron. (Snell's Olmsted).



and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Elocution. Junior: Rhet. (Hepburn). Senior: Eng. lit. (Shaw).	Junior: French.....	Junior: Logic (Coppée). Senior: Mental phil. (Mahan), moral phil. (Fairchild), natural theology (Valentine), evidences of Christianity (Hopkins).	12
Freshman: Gram. anal. (Dalglish), rhet. (Kellogg), Eng. authors. Sophomore: Rhet., hand-book of the Eng. tongue (Angus). Junior: Rhet. (Bain), Eng. lit. (Kellogg). Senior: Elements of criticisms (Kane), Eng. lit., selections from Eng. authors.	.....	Junior: Logic (Whately), metaphysics (Hamilton). Senior: Ethics (Wayland).	13
Freshman, Sophomore, and Junior: Same as in A. B. course.	Sophomore: El. French or German. Junior: French or German prose, comedies, translations, conversation. Senior: Reading in prose and poetry, theses, gram., idiomatic exercises, outlines of lit. (French or German).	Junior: Metaphysics.	
Same as in A. B. course.....	Sophomore: El. French or German. Junior and Senior: French and German, as in B. S. course.	Same as in A. B. course.	
Freshman: Eng. Sophomore: Eng. Junior and Senior: Eng. lit.	Sophomore: French or German. Junior: French or German.		
.....	Same as in B. Agr. course.		
Freshman, Sophomore, and Junior: Same as in B. Agr. course.	Sophomore: Same as in B. Agr. course. Junior and Senior: French and German.		
Sophomore: Lit., rhet. (Kellogg).	Senior: German gram. and reading (Whitney).	Senior: Mental phil. (Haven), logic (Jevons), moral phil. (Fairchild), evidences of Christianity (Hopkins), natural theology (Chadbourne).	14
Freshman: Rhet. (Hart), declamation, comp. Anglo-Saxon (Sweet). Sophomore: Philology of the Eng. tongue (Earle), declamation, comp., life of Bryant, Bigelow Papers, Rape of the Lock. Junior: History of Eng. lit. (Taine), comp., declamation. Senior: Rhet. (Welsh), comp., speeches. Senior: Life and growth of Lang. (Whitney).	Junior: French—Chardenal's first French course, reader, (Ahn-Henn), conversations. German—Gram. (Worman), reader (Ahn-Henn), conversations. Senior: French—Chardenal's French exercises, Le Mariage de Gabrielle, Worman's French Echo, conversations. German—Gram. Worman's German Echo, Nathan der Weise, conversations, exercises.	Junior: Logic (Jevon), Moral phil. (Peabody). Senior: Evidences of Christianity, mental phil. (Mahan).	15

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
15	Emory College, Oxford, Ga.—Continued.	B. S. ....	.....	First year: Alg. geom. (Robinson); Second year: Geom., trig. sur. (Robinson); Third year: Mech. or analyt. geom., astron., dif. and integ. calc.
16	Illinois Wesleyan University, Bloomington, Ill.	A. B. ....	Latin and Greek throughout the course.	Freshman: Alg., geom., trig. Sophomore: Analyt. geom., dif. and integ. calc. Junior: Mech. Senior: Astron.
		B. S. ....	Freshman and Sophomore: Latin.	Same as in A. B. course. ....
		Ph. B. ....	.....	Freshman: Same as in A. B. course. Sophomore: Analyt. geom., dif. and integ. calc. Junior: Mech., sur. Senior: Astron.
17	Northwestern University, Evanston, Ill.	A. B. ....	Freshman: Latin—Cic., Rom. hist., Livy, comp., Horace; Greek—Orations of Lysias, Herod., Homer. Sophomore: Latin—Horace, Tac., Pliny, Rom. comedy; Greek—Tragedy, Xen., Æschines against Ctesiphon. Junior and senior: Greek, Latin, Greek Testament.	Freshman: Alg., sol. geom., trig. Sophomore: Analyt. geom., calc. Junior: Calc. Senior: Astron.
		Ph. B. ....	Freshman: Latin—Livy, comp., Cic., Horace. Sophomore: Latin—Rom. satirists, Quintilian, Rom. comedy. Junior and Senior: Latin.	Same as in A. B. course. ....
		B. S. ....	.....	Freshman: Same as in A. B. course. Sophomore: Alg., analyt. geom., calc. Junior: Integ. calc. Senior: Astron.
		B. L. ....	.....	Freshman: Same as in A. B. course. Sophomore: Analyt. geom., calc. Junior: Calc.
18	Knox College, Galesburg, Ill.	A. B. ....	Freshman: Latin—Cic., prose comp., Livy, Horace; Greek—Lysias, Plato, comp., Thucyd. Sophomore: Latin—Horace, Quintilian, Tac.; Greek—Homer, Demos., Demos., tragedy.	Freshman: Geom. (Loomis), alg. (Wentworth). Sophomore: Trig. and mens., sur., nav., analyt. geom. (Loomis). Junior: Astron. (Loomis), calc.
		B. S. ....	Freshman: Latin—Virgil. Sophomore and Junior: Latin.	Freshman: Geom., conic sections, alg. Sophomore: Same as in A. B. course.
19	Illinois College, Jacksonville, Ill.	A. B. ....	Freshman: Latin—Cic., comp., antiquities, Livy, Horace, Catullus; Greek—Homer, Herod., Lysias, Plato, Xen. Sophomore: Latin—Plautus, Terence, Tac., Pliny, Cic., Lucretius. Junior: Greek—Thucyd., Demos., Æschylus, Soph., Plato or Aristophanes.	Freshman: Alg. (Wells), geom. (Wentworth), trig. (Wells), surveying (Wentworth). Sophomore: Analyt. geom. (Peck), mech. (Peck). Junior: Astron. (Young).
		Ph. B. ....	Latin—Same as in A. B. course.	Same as in A. B. course. ....
		B. S. ....	.....	Freshman and Sophomore: Same as in A. B. course. Senior: Astron., calc. (Williamson).

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
First year: Anglo-Saxon (Sweet), declamation, comp., philology or Eng. tongue; Second year: Hist. of Eng. lit., declamation, comp. Third year: Same as Senior in A. B. course.	Second and third years: Same as junior and senior in A. B. course.	First year: Logic, moral phil.; Third year: Same as senior in A. B. course.	15
Freshman: Elocution. Sophomore: Elocution, English criticism. Junior: Eng. lit., rhet., elocution.	Sophomore and Junior: <i>German</i> .	Junior: Logic. Senior: Psychology, evidences of Christianity, hist. of phil., moral science.	16
Freshman: Rhet., elocution. Sophomore and Junior: Same as in A. B. course. Same as in B. S. course.....	Sophomore and Junior: <i>German</i> . Same as in B. S. course.....	Same as in A. B. course. Same as in A. B. course.	
Sophomore: Comp., rhet., elocution. Junior: Comp., <i>Eng. lit.</i> Senior: Orations, <i>Eng. lit.</i> , elocution.	Sophomore: <i>German</i> —Gram., selections. Junior: <i>French</i> .	Junior: Logic, metaphysics. Senior: <i>Ethics</i> , Christian evidences, nat. theology, <i>pedagogics</i> .	17
Sophomore: Elocution, <i>Eng. lit.</i> , <i>rhet.</i> Junior: Comp., <i>Eng. lit.</i> Senior: Orations, elocution.	Freshman: <i>French</i> —Gram., comp., conversation, translation. Sophomore: <i>French</i> —Modern prose writers, <i>classics of the seventeenth century</i> ; <i>German</i> —Gram., selections. Junior: <i>German</i> .	Same as in A. B. course.	
Sophomore: Elocution, comp. Junior: Comp., <i>Eng. lit.</i> Senior: Orations and elocution, <i>Eng. lit.</i>	Freshman: <i>French</i> —Gram., translations, conversations, comp.; <i>German</i> —Gram., selections. Sophomore: <i>German</i> —Selections. Junior: <i>French</i> .	Junior: <i>Logic, metaphysics</i> . Senior: <i>Ethics</i> , nat. theology.	
Sophomore: Elocution, comp., <i>Eng. lit.</i> , <i>rhet.</i> Junior: Comp., <i>Eng. lit.</i> Senior: Orations and elocution.	Freshman: Same as in B. S. course. Sophomore: <i>French</i> —Modern prose writers, <i>classics of the seventeenth century</i> ; <i>German</i> —Selections. Senior: <i>French, German</i> .	Same as in A. B. course.	
Sophomore: Rhet. Junior: <i>Eng. prose lit.</i> Senior: <i>Eng. lit.</i>	Sophomore: <i>French</i> . Junior: <i>German</i> .	Senior: Mental phil. (Porter), evidences of Christianity, logic, moral science.	18
Same as in A. B. course.....	Freshman: <i>German</i> . Sophomore and Junior: <i>French</i> .	Same as in A. B. course.	
Sophomore: Rhet. Senior: <i>Amer. lit.</i>	Sophomore: <i>German</i> or <i>French</i> .	Junior: Logic. Senior: Psychology, lect. on phil., moral science, nat. theology, evidences of Christianity.	19
Same as in A. B. course.....	Freshman: Advanced <i>German</i> . Junior: <i>French</i> .	Same as in A. B. course.	
Freshman: Rhet., comp. Sophomore: Rhet.	Same as in A. B. course.....	Same as in A. B. course.	



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
20	Lake Forest University, Lake Forest, Ill.	A. B. ....	Freshman: Latin—Livy, gram., Rom. poets, Cic.; Greek—Xen., gram., Homer, Greek hist. Sophomore: Latin—Horace, Tac., Rom. hist., Rom. lit., selections; Greek—Herod., Eurip., lyrics, dramatic lit., dissertations. Junior: Latin— <i>Early Latin, Latin philology, Rom. poets, Rom. philosophers</i> ; Greek— <i>Æschylus, Greek lit., Plato, Greek philosophy</i> . Senior: Latin— <i>Teachers' course</i> ; Greek— <i>Iliad and epic cycle, Odyssey, Homeric hymns and Hesiod</i> .	Freshman: Geom., higher alg. Sophomore: Trig., analyt. geom., calc. Junior: Astron., calc. or <i>analyt. geom., sur., nav.</i> Senior: <i>Analyt. geom. or calc., astron.</i>
		B. S. ....	Freshman: Latin—Same as in A. B. course. Sophomore: Latin—Horace. Junior and Senior: Same as in A. B. course.	Same as in A. B. course .....
21	University of Illinois, Urbana, Ill.	A. B. ....	Freshman: Latin—Cic., comp., Livy, Horace; Greek— <i>Iliad, Odyssey, Memorabilia, comp.</i> Sophomore: Latin—Horace, Terence, Tac.; Greek— <i>Thucyd., Soph., Demos.</i> Junior: Latin— <i>Juvenal, Quintilian de Officiis</i> .	Freshman: Trig., conic sections, calc. Sophomore: Astron.
		B. L. ....	Freshman: Latin—Cic., Livy Horace (optional).	Same as in A. B. course .....
		B. S. in Agr.		Freshman: Trig. ....
		B. S. in Mech. Eng.		Freshman: Trig., analyt. geom., descrip. geom., alg. Sophomore: Calc., advanced analyt. geom. Junior: Analytical mech., advanced descriptive geom., astron.
		B. S. in Civ. Eng.		Same as in B. S. in Mech. Eng., and in addition—Senior: Pract. astron., geodesy. Sophomore: Surveying.
		B. S. in Min. Eng.		Freshman and Sophomore: Same as in B. S. in Civil Eng. Junior: Analyt. mech.
		B. S. in Arch.		Same as in B. S. in Mech. Eng., omitting astron. in Junior yr.
		B. S. in Chem.		Freshman: Same as in A. B. course.
		B. S. in Nat. Hist.		Freshman: Trig., conic secs. Senior: Astron.
22	De Pauw University, Greencastle, Ind.	A. B. ....	Freshman: Latin—Ovid, Livy, Cic.; Greek—Xen., Gram., Homer, comp. Sophomore: Latin—Pliny, Rom. lit., Livy, Horace; Greek—Homer, Herod., Thucyd.; Greek—Syntax, Greek hist. Junior: Latin—Elective; Greek—Soph., Demos., Plato; Greek drama, Greek lit., Greek phil. Senior: Latin—Elective; Greek— <i>Soph., Demos., Plato, Greek drama, Greek lit., Greek phil.</i>	Freshman: Alg. (Wentworth), descrip. geom., trig. (Wentworth), descrip. astron. Sophomore: <i>Analyt. geom., calc. (Taylor), mens., sur.</i> Junior: <i>calc., analyt. geom., analyt. mech. (Wood), least squares (Merriman), determinants</i> . Senior: Gen. astron. (Young), <i>sph. and pract. astron.</i> (Chauvenet).
		Ph. B. ....	Latin—Same as in A. B. course.	Same as in A. B. course .....
		B. S. ....		Freshman: Same as in A. B. course. Sophomore: <i>Analyt. geom., calc., mens., sur.</i> Junior and Senior: Same as in A. B. course.

and universities.—PART I—Continued.

*italics are elective.*

English.	Modern languages.	Philosophy.	
Freshman: Elocution, rhet., construction. Sophomore: Rhet., essays. Junior: Oratory, Eng. lit., <i>Anglo Saxon, transitional Eng.</i> Senior: Eng. lit. of nineteenth century, essays, oratory, Amer. lit., <i>accidence, comp. philology, development of Amer. lit., phonetics.</i>	Freshman: German—Gram., reading, conversation. Sophomore: French—Gram., reading. Junior: <i>German classics, modern French.</i> Senior: <i>French lit., German lit.</i>	Freshman: Pract. ethics. Junior: Psychology, logic. Senior: Theoretical ethics, hist. of phil., <i>exp. psychology, pedagogics, metaphysics, contemporary phil., theism.</i>	20
Same as in A. B. course. ....	Freshman: German—Gram., reader, conversation; French—Gram., reader. Junior and Senior: Same as in A. B. course.	Same as in A. B. course.	
Senior: Early English philology.	Sophomore: <i>German.</i> Junior: <i>French.</i>	Senior: Mental science, logic.	21
Freshman: <i>Rhet., Amer. authors, British authors.</i> Sophomore: Eng. classics. Senior: Anglo-Saxon, early Eng. philology. Freshman: <i>Amer. authors, British authors.</i>	Freshman: French. Sophomore and Junior: German.	Same as in A. B. course.	
.....	Sophomore and Junior: German.	Same as in A. B. course.	
.....	Freshman and Sophomore: French or German.	Senior: Mental science.	
.....	Same as in B. S. in Mech. Eng..	Same as in B. S. in Mech. Eng.	
.....	Freshman: French or German.	Same as in B. S. in Mech. Eng.	
.....	Same as in B. S. in Min. Eng....	.....	
.....	Same as in B. L. course .....	Same as in A. B. course.	
.....	Same as in B. L. course.....	Same as in A. B. course.	
Freshman: Rhet., elocution. Sophomore: Eng. lit., oratory. Junior: <i>Eng. lit.</i>	Junior and Senior: <i>French, German.</i>	Junior: Logic. Senior: Intellectual science (Porter), hist. of mental phil., moral science (Porter), hist. of ethical phil., divine origin of Christianity (Storrs), aesthetics, essays.	22
Same as in A. B. course.....	Sophomore: French or German. Junior and Senior: <i>French, German.</i>	Same as in A. B. course.	
Freshman and Junior: Same as in A. B. course.	Freshman: El. French or German. Sophomore: French—Pressensé, Lessing, Racine, Molière, Alliot-Boymier; German—Schiller, Lessing, comp. Junior and Senior: Elective.	Same as in A. B. course.	

TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
22	De Pauw University, Greencastle, Ind.—Continued.	B. L. ....	.....	Freshman: Same as in A. B. course.
23	Purdue University, La Fayette, Ind.	B. S. in Agr.	.....	Freshman: Geom., alg. Sophomore: Alg., trig., sur.
		B. M. E. ....	.....	Freshman: Same as in B. S. course in Agr. Sophomore: Alg., trig., analyt. geom. Junior: Descrip. geom., calc. Senior: Analyt. mech.
		B. C. E. ....	.....	Freshman, Sophomore, and Junior: Same as in B. M. E. course. Senior: Astron.
		B. S. in Science.	.....	Freshman and Sophomore: Same as in B. M. E. course. Junior: Calc.
		B. S. in Ind. Art.	.....	Freshman: Geom., alg. Sophomore: Alg., trig. Junior: Analyt. geom., calc.
24	Rose Polytechnic Institute, Terre Haute, Ind.	B. S. a. ....	.....	Freshman: Alg., geom., el. mech., trig. Sophomore—Sph. trig., analyt. geom., descrip. geom., dif. and integ. calc., determinants, astron. Junior: Dif. and integ. calc., analyt. mech., least squares. Senior: applied mech.
25	University of Notre Dame, Notre Dame, Ind.	A. B. ....	Freshman: Latin—Lactantius, Ovid, Sallust, prosody, comp., Virgil, Cic., Greek—Gram., syntax, comp., memorabilia, St. John Chrysostom, Cyropædia. Sophomore: Latin—Virgil, Cic., comp., prosody, St. Augustine, Horace, verses. Greek—St. Gregory, Homer, comp., Thucyd. Junior: Latin—Livy, Horace, comp., Rom. antiquities, Tac., Juvenal; Greek—St. Basil, Demos., Homer, Sophocles, Æschylus, Greek antiquities. Senior: Latin—Plautus, Quintilian, St. Augustine, comp., Latin lit., Cic., Terence; Greek—Plato, Sophocles, Pindar, Eurip., Aristophanes, Greek lit.	Freshman: Alg., (Robinson), geom. (Loomis). Sophomore: Trig. (Loomis). Senior: Astron. (Young).
		B. S. ....	Latin or Greek .....	Freshman: Alg., geom., conic sections (Loomis). Sophomore: Trig., mens., sur. (Gillespie), analyt. geom. (Wentworth). Junior: Gen. geom. and calc. (Olney). Senior: Descrip. geom., astron., mech. (Smith).
26	Iowa College, Grinnell, Iowa.	A. B. ....	Freshman: Latin—Livy, Cic., Horace, philosophical writings; Greek—Xen., Lysias, Cebes' Tablet. Sophomore: Latin—Horace, Tac., Plautus, Terence, Crowell's Selections; Greek—Homer, Herod. Junior: Greek—Sophocles, Demos., Thucyd. Lucian, Plato.	Freshman: Trig., surveying. Junior: Astron.
		B. S. ....	.....	Freshman: Trig., analyt. geom., sur. Junior: Calc., astron.

a The courses in mechanical engineering, civil engineering, and chemistry are



and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Same as in A. B. course. Sophomore: Eng. lit., oratory. Junior: <i>Eng. lit.</i>	French or German throughout the course.	Same as in A. B. course ....	22
Freshman: Rhet., elocution. Sophomore: Eng. lit., elocution. Senior: <i>Lit.</i>	Senior: <i>German</i> .....	Senior: <i>Psychology</i> .....	23
Freshman: Same as in B. S. course in Agr. Sophomore: Eng. lit. Senior: <i>Lit.</i>	Same as in B. S. course in Agr ..	.....	
Freshman and Sophomore: Same as in B. M. E. course.	.....	.....	
Freshman and Sophomore: Same as in B. S. course in Agr. Junior: <i>Lit.</i> Senior: <i>Lit.</i>	Freshman and Sophomore: French or German. Junior: <i>French or German.</i>	Senior: Psychology.	
Freshman and Sophomore: Same as in B. S. course in Agr. Junior: <i>Lit.</i> Senior: Elective.	Same as in B. S. course in Science.	Same as in B. S. course in Science.	
Freshman: Gram., rhet., Eng. selections. Senior: Eng. classics.	Sophomore: German. Junior: French and German. Senior: French.	.....	24
Freshman: Comp., rhet. Sophomore: Rhet., Eng. lit., essays and orations, Shakespeare. Senior: Elocution, lit. criticism, (Blair), Amer. lit., comp.	Elective— <i>French, German, Italian, Spanish.</i>	Junior: Logic (San Severino), ontology and psychology (San Severino). Senior: Theodicy and ethics (Jouin), dissertations, hist. of phil., philosophical systems.	25
Freshman: Comp., rhet. Sophomore: Rhet., Eng. lang. Junior: Elocution, lit., criticism.	French, German, or Spanish ....	Senior: Logic and gen. metaphysics (Hill), special metaphysics.	
Freshman: Rhet. Junior: Eng. lit., <i>Milton, Shakespeare.</i> Senior: <i>Philology.</i>	Sophomore and Junior: <i>French, German.</i>	Junior: Ment. science. Senior: Ment. science, logic, Christian evidences, moral science.	26
Freshman: Eng. etymology, rhet., Chaucer. Sophomore: <i>Anglo-Saxon.</i> Junior: Eng. lit., Milton. Senior: <i>Philology.</i>	Sophomore and Junior: French or German.	Same as in A. B. course.	

alike with the exception of that part of the course set down as "practice."

TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
26	Iowa College, Grinnell, Iowa—continued.	B. L. ....	Latin—Freshman: Virgil, Sallust, Jugurtha. Sophomore: Livy, Cic., philosophical writings.	Freshman: Trig. Junior: Astron.
27	State University of Iowa, Iowa City, Iowa.	A. B. ....	Freshman: Latin—Walford's Selections from Cic., Livy, comp.; Greek—Gram., White's Lessons, Xen., comp. Sophomore: Latin—Horace, Tac., Tusculan Disputations; Greek—Xen., Lysias, Herod., Homer. Junior: Latin—Quintilian; Greek—Homer, Æschylus, Plato, Demos. Senior: Latin, Greek.	Freshman: Trig., alg., <i>analyt. geom.</i> Sophomore: <i>Analyt. geom., calc.</i> Junior: Astron., <i>pract. astron.</i>
		B. S. ....		Freshman: Trig., alg., <i>analyt.</i> Sophomore: Elective. Junior: Astron., <i>math., pract. astron.</i> Senior: <i>Math., math. astron.</i>
		Ph. B. ....	Latin—Same as in A. B. course.	Same as in A. B. course. ....
		C. E. ....		Freshman: Same as in B. S. course. Sophomore: <i>Analyt., sur., dif. and integ. calc.</i>
28	University of Kansas, Lawrence, Kans. <sup>a</sup>	B. S. in Gen. Sci.	Junior and Senior: Optional.	Freshman: Alg. (Wells), geom. (Wentworth), trig. (Wentworth). Sophomore: Sur., <i>analyt. geom.</i> (Newcomb). Junior and Senior: Optional.
		B. S. in Lat. scientific course.	Latin—Freshman: Livy, Horace. Sophomore: Horace, Latin poets. Junior and Senior: Optional.	Freshman: Same as in B. S. course in Gen. Sci. Sophomore: Sur., <i>analyt. geom.</i> Junior and Senior: Optional.
		A. B. in classical course.	Freshman: Latin—Livy, Cic., Horace; Greek—Homer, Herod., syntax. Sophomore: Latin—Horace, Latin poets; Greek—Thucyd., Cox's Athenian Empire, Plato, Eurip., lectures. Junior and Senior: Optional.	Freshman: Same as in B. S. course in Gen. Sci. Sophomore: <i>Analyt. geom.</i> Junior and Senior: Optional.
		A. B. in Mod. Lit.	Junior and Senior: Optional.	Same as in A. B. course. ....
		B. C. E. ....	Freshman: Latin. ....	Freshman: Alg., geom., trig., <i>descrip. geom.</i> Sophomore: Sur., <i>analyt. geom., calc.</i> Junior: <i>Analyt. mech., astron., least squares.</i> Senior: <i>Pract. astron., geodesy.</i>
		B. S. in Elec. Eng.		Freshman: Same as in B. C. E. course. Sophomore: <i>Analyt. geom., calc.</i> Junior: <i>Analyt. mech.</i>
29	Kansas State Agricultural College, Manhattan, Kans.	B. S. ....		First year: Arith. (Brooks), bookkeeping (Bryant and Stratton), alg. (Wentworth). Second year: Alg., geom. (Wentworth). Third year: Trig. and sur. (Wentworth).

<sup>a</sup> In the junior and senior years each student is required to pursue in each term three

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Rhet., Chaucer. Sophomore: <i>Anglo-Saxon</i> . Junior: Eng. lit., Milton, Shakspeare. Senior: <i>Philology</i> .	Freshman: French. Sophomore: <i>French</i> , German. Junior: German.	Same as in A. B. course.....	26
Sophomore: <i>Eng. lit.</i> Junior: Eng. lit.	Sophomore: <i>German</i> . Junior: <i>German</i> , <i>French</i> . Senior: Elective.	Junior: <i>Logic</i> . Senior: <i>Psychology</i> , <i>hist. of modern phil.</i> , <i>hist. of Greek phil.</i> , <i>ethics</i> , <i>exp. psychology</i> , <i>modern phil.</i>	27
Freshman: Eng. Sophomore: Eng. lit. Junior: <i>Eng. lit.</i> Senior: <i>Eng. lit.</i>	Freshman and Sophomore: German. Junior: <i>German</i> . Senior: French.	Same as in A. B. course.	
Same as in A. B. course .....	Freshman: German — Gram., Whitney's Reader and Analysis. Sophomore: German — Schiller, Freytag. Junior: <i>French</i> , <i>German</i> . Senior: Elective.	Same as in A. B. course.	
Freshman: Eng. Senior: Selected reading.	Freshman: German. Sophomore: <i>French</i> .		
Freshman and Sophomore: Rhet. (Hill), themes, elocution. Junior: Two forensics, or equivalent theses. Senior: Two forensics, or equivalent theses. Junior and Senior: Optional.	Freshman and Sophomore: French, German. Junior and Senior: Optional.	Sophomore: <i>Logic</i> , <i>psychology</i> . Junior and Senior: Optional.	28
Same as in B. S. course in Gen. Sci.	Freshman and Sophomore: German. Junior and Senior: Optional.	Same as in B. S. course in Gen. Sci.	
Freshman: Elocution, themes. Sophomore: Rhet., themes, elocution. Junior and Senior: Same as in B. S. course in Gen. Sci.	Junior and Senior: Optional....	Same as in B. S. course in Gen. Sci.	
Same as in B. S. Gen. Sci .....	Freshman and Sophomore: French, German. Sophomore: French and German comp. Freshman: <i>French</i> , German.	Same as in B. S. course in Gen. Sci.	
Freshman: Three themes. Sophomore: Three themes. Junior: Two forensics. Senior: Two forensics, advanced Eng. comp.	Freshman: French, German.		
First year: Eng. anal. Eng. structure, comp. Third year: Rhet., Eng. lit. Fourth year: <i>Lit.</i>	.....	Fourth year: Psychology, logic.	29

full studies or their equivalent, chosen by himself from the list of optional studies.



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
30	Washburn College, Topeka, Kans.	A. B. ....	Freshman: Latin—Livy, Cic., Horace, comp.; Greek—Herod., Plato, Thucyd., Greek Testament, comp. Sophomore: Latin— <i>Plautus, Terence, Cic., philology, Tac., hist. of Rom. lit.</i> ; Greek—Homer, Demos., Æschylus, Sophocles. Junior: Greek—Homer, Aristophanes, Plato. Senior: Greek—Pindar, minor lyric poets, orations, Plato.	Freshman: Alg. (Wells), geom. trig. Sophomore: Analyt. geom. Junior: <i>Dif. calc., integ. calc., least squares.</i> Senior: <i>Analytical statics and dynamics</i> , astron. (Newcomb and Holden).
		B. S. ....	.....	Same as in A. B. course. ....
		B. L. ....	Latin: Same as in A. B. course.	Freshman: Same as in A. B. course. Sophomore: <i>Analyt. geom.</i> Senior: Astron.
31	Georgetown College, Georgetown, Ky.	A. B. ....	First year: Latin—Sallust, Cic., Livy, Horace; Greek—Hadley's Elements, Xen., Lysias, prose comp.; second year, Latin—Horace, Juvenal, Persius, Cic.; Greek—Memorabilia, Eurip., Sophocles, syntax; third year, Latin—Tac., Seneca; Greek—Thucyd.	First year: Alg., geom. Second year: Geom., trig., sur. Third year: Analyt. geom., calc., astron. Fourth year: Mechanics.
		B. S. ....	.....	First year: Arith., alg., book-keeping. Sec'd year: Alg., geom. Third year: Geom., trig., sur. Fourth year: Mech., analyt. geom., calc., astron.
32	Kentucky University, Lexington, Ky.	A. B. ....	Freshman: Latin—Cæsar, Sallust, Cic., comp.; Greek—Xen., Herod., Homer, Smith's hist. of Greece, Greek Testament. Junior: Latin—Virgil, comp., hist. of Rome, Livy; Greek—Xen., Plato, Thucyd., Greek Testament. Senior: Latin—Horace, comp., Tac., Cic.; Greek—Lysias, Demos., Theocritus, Eurip., Sophocles or Æschylus.	Freshman: Alg. (Peck), geom. (Peck). Sophomore: Geom., trig. (Peck), mens. (Peck), sur. (Loomis), analyt. geom. (Peck). Junior: Mech. (Peck), sph. trig., astron. (Olmsted). Senior: <i>Analyt. geom., calc.</i>
		B. S. ....	.....	Freshman: Sophomore and Junior: Same as in A. B. course. Senior: Analyt. geom., calc.
33	Central University, Richmond, Ky.	A. B. ....	Freshman: Latin—Sallust, Virgil, Gildersleeve's exercise book, hist. of Rome (Creighton); Greek—Goodwin's reader, Lysias, syntax (Boise), gram. (Goodwin). Sophomore: Latin—Cic., gram. (Gildersleeve), Gildersleeve's exercise book, Smith's smaller hist. of Rome; Greek—Plato, Demos., Eurip., comp., Goodwin's moods and tenses. Junior: Latin—Livy, Horace, gram., hist. of Rome, exercise book; or Greek—Thucyd., Homer, comp., moods and tenses, hist. (Smith), <i>Latin, Greek</i> . Senior: Tac., Terence hist. of Rome, Roman antiquities	Freshman: Alg. (Wentworth), geom. (Davies' Legendre). Sophomore: Geom., trig., sur. Junior: Analyt. geom. (Loomis), <i>dif. and integ. calc.</i> (Loomis). Senior: Astron. (Loomis), <i>quaternions, pract. astron.</i>

and universities.—PART I—Continued.

*italics are elective.*

English.	Modern languages.	Philosophy.	
Freshman: Rhet. (Hill). Junior: Eng. lit. Senior: <i>Eng. lit.</i>	Sophomore: <i>French</i> . Junior: German, <i>German</i> , <i>French</i> , <i>Spanish</i> . Senior: <i>German</i> , <i>Spanish</i> .	Sophomore: Logic (Jevons). Senior: Mental science (Porter), evidences of Christianity (Bishop McIlvaine), hist. of phil. (Schwegler).	30
Freshman: Rhet. Junior and Senior: <i>Eng. lit.</i>	Freshman: German. Sophomore: French. Junior: <i>French</i> , <i>German</i> , <i>Spanish</i> . Senior: <i>Spanish</i> .	Same as in A. B. course.	
Same as in A. B. course .....	Same as in B. S. course.....	Same as in A. B. course.	
Third year, rhet., lit. ....	.....	Third year, logic; fourth year, psychology, ethics, Christian evidences.	31
First year, gram., rhet., comp.; third year, rhet., lit.	.....	Same as in A. B. course.	
Freshman: Gram. (Whitney). Junior: Rhet. (Hart), comp., critical readings in prose. Senior: Eng. lit. (Shaw), critical readings in poetry.	Optional .....	Junior: Mental phil. (Havven), logic (Coppée). Senior: Moral science (Wayland).	32
Same as in A. B. course.....	Junior: French—Gram. (Eugene), Havet's Manual, Napoleon, Télémaque. German—Comfort's German course, reader. Senior: French—Grammaire Française par Larousse, Molière, Racine. German—Schiller, Goethe.	Same as in A. B. course.	
Freshman: Eng. gram. (Welsh's lessons), rhet. (Clark), comp. Sophomore: Essentials of Eng. (Welsh). Junior: Anglo-Saxon (Sweet), <i>hist. of Eng. lang.</i> (Lounsbury), <i>Primer of Philology</i> (Peile). Senior: Rhet., <i>hist. of Eng. lit.</i> (Shaw), <i>Dowden's Shakspeare Primer</i> , <i>select plays of Shakspeare</i> (Hudson), <i>Wordsworth</i> (George).	Junior and Senior: <i>French</i> , <i>German</i> .	Junior: Psychology (McCosh), logic (McCosh, Fowler). Senior: Evidences of Christianity (Butler's analogy), ethics (Gregory), psychology (Porter's elements of intellectual science).	33

TABLE 23.—Courses of study in colleges

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
33	Central University, Richmond, Ky.— Continued.	A.B.—Con.  B. S. ....	(Wilkins), or Greek— <i>Edipus Tyrannus</i> , <i>Prometheus Bound</i> , <i>The Seven against Thebes</i> , <i>The Clouds</i> of <i>Aristophanes</i> , hist. and lit., comp., <i>Latin</i> , <i>Greek</i> . Latin—Freshman and Sophomore: Same as in A. B. course (Elective with French).	Freshman and Sophomore: Same as in A. B. course. Junior: <i>Analyt. geom.</i> , <i>calc.</i> Senior: Same as in A. B. course.
34	Tulane University of Louisiana, New Orleans, La.	Classical A. B.     Literary A. B. Scientific B. S.   Engineering B. S.	Freshman: <i>Latin</i> — <i>Ovid</i> , <i>Virgil</i> , <i>gram.</i> , <i>Gildersleeve's Exercise Book</i> , <i>Keightley's Mythology</i> ; <i>Greek</i> — <i>Gram.</i> , <i>comp.</i> , <i>Lysias</i> , <i>Herod.</i> Sophomore: <i>Latin</i> — <i>Gram.</i> , <i>exercise book</i> , <i>hist. of Rome</i> ( <i>Leighton</i> ), <i>Cic.</i> , <i>Catullus</i> ; <i>Greek</i> — <i>Gram.</i> , <i>Mahaffy's Old Greek Life</i> , <i>syntax</i> , <i>Homer</i> , <i>Demos</i> , <i>Lucian</i> , <i>reading at sight</i> . Junior: <i>Latin</i> — <i>Gram.</i> , <i>exercise book</i> , <i>hist. of Rome</i> , <i>Horace</i> , <i>Livy</i> ; <i>Greek</i> — <i>Greek lit.</i> , <i>moods and tenses</i> ( <i>Goodwin</i> ), <i>Thucyd.</i> , <i>Eurip.</i> , <i>Sophocles</i> . Senior: <i>Latin</i> — <i>Tac.</i> , <i>Juvenal</i> , <i>Plautus</i> , <i>gram.</i> , <i>Becker's Gallus</i> . Latin—Same as in classical course.	Freshman: <i>Geom.</i> and <i>alg.</i> ( <i>Wentworth</i> ), <i>trig.</i> and <i>log.</i> ( <i>Loomis</i> ). Sophomore: <i>Conic secs.</i> , <i>analyt. geom.</i> ( <i>Loomis</i> ).   Same as in classical course ... Freshman: Same as in classical course. Sophomore: <i>Conic secs.</i> , <i>analyt. geom.</i> , <i>astron.</i> , <i>diff</i> and <i>integ. calc.</i> ( <i>Clark</i> ). Junior: <i>Descrip. geom.</i> ( <i>Church</i> ). Freshman, Sophomore, and Junior: Same as in scientific course. Senior: <i>Analyt. mech.</i> ( <i>Wood or Michie</i> ).  Freshman: <i>Alg.</i> ( <i>Wentworth</i> ), <i>geom.</i> , <i>trig.</i> Sophomore: <i>Analyt. geom.</i> , <i>diff</i> and <i>integ. calc.</i> Junior: <i>Diff</i> and <i>integ. calc.</i> , <i>quaternions</i> , <i>astron.</i> ( <i>Newcomb and Holden</i> ). Senior: <i>Fract. astron.</i>
35	Bowdoin College, Brunswick, Me.	A. B. ....	Freshman: <i>Latin</i> — <i>Cic.</i> , <i>Livy</i> , <i>Horace</i> , <i>comp.</i> ; <i>Greek</i> — <i>Xen.</i> , <i>Odyssey</i> , <i>New Greek Testament</i> . Sophomore: <i>Latin</i> — <i>Juvenal</i> , <i>Horace</i> , <i>Tac.</i> , <i>comp.</i> , <i>Plautus</i> ; <i>Greek</i> — <i>Soph.</i> , <i>Demos.</i> , <i>Pin-dar</i> . Junior: <i>Latin</i> — <i>Terence</i> , <i>latin comedy</i> , <i>study of the Andria</i> , <i>syntax</i> ; <i>Greek</i> — <i>Philosophers</i> , <i>Plato</i> , <i>Eurip.</i> Senior: <i>Latin</i> — <i>Development of Roman satire</i> , <i>selections from Persius</i> , <i>Petr-nius</i> , and <i>Seneca</i> , <i>Plautus</i> .	Freshman: <i>Alg.</i> ( <i>Wentworth</i> ), <i>geom.</i> , <i>trig.</i> Sophomore: <i>Analyt. geom.</i> , <i>diff</i> and <i>integ. calc.</i> Junior: <i>Diff</i> and <i>integ. calc.</i> , <i>quaternions</i> , <i>astron.</i> ( <i>Newcomb and Holden</i> ). Senior: <i>Fract. astron.</i>
36	Bates College, Lew- iston, Me.	A. B. ....	Freshman: <i>Latin</i> — <i>Livy</i> , <i>comp.</i> , <i>Cic.</i> , <i>Horace</i> ; <i>Greek</i> — <i>Homer</i> , <i>Thucyd.</i> , <i>Herod.</i> , <i>Demos.</i> Sophomore: <i>Latin</i> — <i>Tac.</i> , <i>Juvenal</i> ; <i>Greek</i> — <i>Æschylus</i> .	Freshman: <i>Alg.</i> , <i>geom.</i> Sophomore: <i>Trig.</i> , <i>sur.</i> , <i>nav.</i> , <i>geom.</i> , <i>calc.</i> Senior: <i>Astron.</i> ( <i>Olmsted</i> ).
37	Colby University, Waterville, Me.	A. B. ....	Freshman: <i>Latin</i> — <i>Livy</i> , <i>gram.</i> , <i>comp.</i> , <i>Tac.</i> , <i>Horace</i> ; <i>Greek</i> — <i>Herod.</i> , <i>Thucyd.</i> , <i>gram.</i> , <i>comp.</i> , <i>Homer</i> , <i>Xen.</i> , <i>Lyric Poets</i> . Sophomore: <i>Latin</i> — <i>Hist.</i> of <i>Tac.</i> ; <i>Greek</i> — <i>Lysias</i> , <i>Demos.</i> , <i>Demos.</i> or <i>Greek Tragedy</i> . Junior: <i>Latin</i> — <i>Horace</i> ,	Freshman: <i>Geom.</i> ( <i>Wentworth</i> ), <i>alg.</i> ( <i>Wells</i> ), <i>trig.</i> ( <i>Wells</i> ). Sophomore: <i>Analyt. geom.</i> ( <i>Wentworth</i> ). Junior: <i>Calc.</i> ( <i>Taylor</i> ). Senior: <i>Astron.</i> ( <i>Loomis</i> ).



and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman, Sophomore, and Junior: Same as in A. B. course. Senior: <i>Rhet., hist. of Eng. lit., Dowden's Shakspeare Primer, select plays of Shakspeare, Wordsworth.</i>	Freshman: French— <i>Gram.</i> (Whitney), <i>reader</i> (Otto). Sophomore: French— <i>Gram., French plays, hist. of France</i> (Yonge), <i>hist. of French language</i> ; German— <i>Gram.</i> (Otto), <i>reader</i> (Otto). Junior: <i>Gram., Wilhelm Tell, Emilia Galotti.</i>	Same as in A. B. course.	
Freshman: Hist. of Eng. lit. (Shaw), <i>rhet.</i> (Clark), <i>phil. of style</i> (Spencer), <i>De Quincey's Essay on Style.</i> Sophomore: Eng. lit., <i>Peile's Philology, rhet. (Aenung), Sir Roger de Coverly.</i> Junior: Hist. of Eng. lang. (Lounsbury). Eng. lit. Senior: Eng. lit., Anglo-Saxon <i>gram. and reader, Minto's manual of prose lit.</i>	Freshman and Sophomore: French. Junior and Senior: German.	Senior: Psychology (John Dewey), <i>hist. of phil.</i> (Schwegler).	34
Same as in classical course .....	Freshman, Sophomore, and Junior: French and German.	Same as in classical course.	
Same as in classical course.....	Same as in classical course.....	Same as in classical course.	
Same as in classical course.....	Same as in classical course.....	Same as in classical course.	
Sophomore: <i>Rhet. (Genung), comp., Eng. lit.</i> Junior: Eng. comp., <i>Whitney's Life and Growth of Lang.</i> Senior: <i>Eng. lit.</i>	Freshman: French <i>gram.</i> (Whitney), <i>Rougemont's La France, Tableaux de la Révolution Française</i> (Crane and Brun). <i>Le Voyage de M. Perrichon.</i> Sophomore: German— <i>Gram., reading.</i> Junior: German, <i>French.</i> Senior: <i>German.</i>	Junior: Logic (Jevons). Senior: Psychology (Dewey), <i>ethics, hist. of phil.</i>	35
Freshman: <i>Rhet.</i> Sophomore: Eng. lit., <i>rhet.</i> (Bain). Junior: Eng. lang. (Lounsbury), <i>Chaucer.</i> Senior: Eng. lit., <i>study of Eng. authors.</i>	Sophomore: French— <i>gram.</i> (Ploetz), <i>reader</i> (Bocher), <i>Corneille's Cinna, Racine's Athalie.</i> Junior: German— <i>Gram.</i> (Meissner), <i>Bacon's Leitfaden, reader</i> (Evans's Otto), <i>German lit., Schiller.</i>	Senior: Psychology (Schuyler), <i>logic</i> (Schuyler), <i>Butler's Analogy, logic of Christian evidences, moral phil.</i> (Calderwood).	36
Freshman: <i>Elocution.</i> Sophomore: <i>Rhet.</i> (Clark, Hill), <i>science of lang., comp., elocution.</i> Eng. lit. Junior: <i>Comp., Eng. lit.</i> Senior: <i>Elocution, comp., advanced rhet., oratory.</i>	Sophomore: French— <i>Gram.</i> (Whitney), <i>La France, Tableaux de la Révolution Française.</i> Junior: French— <i>Lit., German—Gram., reader</i> (Deutsch). Senior: German— <i>Wilhelm Tell, Prosa; French—Lit.</i>	Senior: Psychology (Porter, Hamilton, Hill), <i>logic</i> (Jevons), <i>hist. of phil.</i> (Schwegler, Ueberweg), <i>moral science</i> (Calderwood, Janet, Robinson).	37

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
37	Colby University, Waterville, Me.— Continued.	.....	<i>Terence, Cic., Catullus, Lucretius, Troullus, Propertius, Lucan, Pliny; Greek—Greek tragedy, Demos. Senior: Greek—Plato, Plutarch, or New Testament.</i>	
38	St. John's College, Annapolis, Md.	A. B. ....	Freshman: Latin—Virgil, Cic., Rom. antiquities and mythology, Livy, Horace, comp.; Greek—Anabasis, gram., comp. Sophomore: Latin—Horace, Cic., Terence, comp.; Greek—Homer, Herod., reading at sight. Junior: Latin—Tac., Plautus, comp.; Greek—Apology, Cretó, Medea, Demos., reading at sight, Greek lit. Senior: Latin—Tac., Juvenal, Persius, Quintilian, Lucretius, comp.	Freshman: Alg., geom. Sophomore: Geom., trig., sur., nav. Junior: Analyt. geom. (Todhunter). Senior: Astron. (Lockyer).
		B. L. ....	Latin—Same as in A. B. course.	Freshman and Sophomore: Same as in A. B. course. Junior: Analyt. geom., dif. calc. (Rice and Johnson). Senior: Astron.
		B. S. ....	.....	Freshman, Sophomore, and Junior: Same as in B. L. course. Senior: Integ. calc. (Johnson), mech. (Goodeve), astron.
		M. E. ....	.....	Same as in B. S. course
39	Johns Hopkins University, Baltimore, Md.	Classical..	First year: Latin—Livy, Horace, Comp., Cic., Cæsar, Ovid; Greek—Xen., Homer, Enrip., comp., Lysias, Plutarch, Herod. Second year: Latin—Plautus, Terence, Juvenal, Catullus, reading at sight, comp., Pliny, Lucretius, or Tac., reading at sight, comp. Greek—Xen., Eschylus, Soph., comp., Plato, Demos., Aristophanes. Third year: Comp., philology, classical antiquities.	.....
		Math. Phys.	.....	First year: Analyt. geom., dif. and integ. calc. Second year: Theory of equations, analyt. geom., dif. and integ. calc., dif. equations.
		Chem. Biology.	.....	.....
		Phys. Chem.	.....	First year: Same as in math.-phys. course.
		Lat.-Math.	Latin—Same as in classical course.	Second year: Same as first year in math.-phys. course. Third year: Same as second year in math.-phys. course.
		Hist.-Pol..	First year: Classical history, Herod., Thucyd., Livy, Tac.	.....
		Mod. Lan.	First year: Latin—Same as in classical course.	.....

and universities.—PART I—Continued.

*Italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Hist. of Eng. lang. (Lounsbury), essays. Sophomore: <i>Rhet., Shakspeare, Trench on Words, specimens of early Eng. authors, essays.</i> Junior: Hist. of Eng. lit., Shakspeare, Spencer, Bacon.	Freshman: French gram. (Bocher), French reader (Keetel). Sophomore: <i>French gram. and exercises</i> ; German — Gram. (Whitney), <i>Grimm's Hausmaerchen.</i> Junior: French—Victor Hugo, Racine, Molière, comp.; German — Wilhelm Tell, Hermann and Dorothea, lectures on German lit. and hist. Senior: German—Maid of Orleans, Faust, lectures on German lit.	Junior: Logic (Jevons-Hill). Senior: Evidences of Christianity, Butler's analogy, psychology, ethics.	38
Freshman: Comp., elocution, hist. of Eng. lang., essays. Sophomore: <i>Rhet., Shakspeare, Trench on Words, specimens of early Eng. authors, essays.</i> Junior: Same as in A. B. course. Same as in B. L. course .....	Freshman: Same as in A. B. course. Sophomore: French—Gram. and exercises; German—Gram., Grimm's Hausmaerchen. Junior and Senior: Same as in A. B. course. Same as in B. L. course.....	Same as in A. B. course.  Same as in A. B. course.	
Same as in B. L. course..... First year: Essays, Eng. lit....	Same as in B. L. course..... Second year: German—Otis, Whitney's gram., German reader, Schiller, Goethe, comp. Third year: French—Balzac, Angier, Daudet, Sand, Hugo, Sainte Beuve, Saintbury's primer of French lit.	Same as in A. B. course..... Third year: Logic, ethics, psychology.	39
Same as in classical course. ....	First year: German—Schiller, Goethe, Heine, reader, gram., comp., prose, reading. Second year: French—Balzac, Angier, Daudet, Sand, Hugo, Sainte Beuve, Saintbury's primer of French lit., Lamartine, Luquiens, gram., comp.	Same as in classical course.	
Same as in classical course. ....	Second year: Same as first year in math.-phys. course. Third year: Same as second year in math.-phys. course.	Same as in classical course.	
Same as in classical course. ....	Same as in math.-phys. course...	Same as in classical course.	
Same as in classical course .....	First year: Same as in math.-phys. course. Second year: Same as in math.-phys. course.	Same as in classical course.	
Same as in classical course .....	Same as in math.-phys. course ..	Same as in classical course.	
First year: Elizabethan writers, XIV century writers, XIX century writers, Anglo-Saxon, essays. Third year: <i>Rhet., Eng. authors, English of the 12th and 13th centuries, Morris and Skeat's specimens, Early Scottish poets, hist. of Eng. lit.</i>	Second year: Same as first and second years in math. phys. course. Third year: French—Hist. of the French theatre to Reynard, Cornelle, Racine, Molière, Darmesteter et Hatzfeld, Clédat lecture on French lit. Or German—Goethe, Schiller, prose readings, comp., lecture on hist. of German lit.	Same as in classical course.	



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
40	Rock Hill College, Ellicott City, Md.	A. B. ....	Freshman: Latin—Gram., etymology, syntax, exercises, Sallust, Ovid, Virgil, comp.; Greek—Gram., exercises, Xen. Sophomore: Latin—Prosody, Cic., Livy, Horace, Rom. antiquities, comp.; Greek—Comp., Homer, Herod., Grecian antiquities. Junior: Latin—Cic., Horace, Tac., Roman antiquities; Greek—Demos., Eurip., Grecian antiquities, Greek lit. Senior: Latin—Plautus, Juvenal, comp., Rom. lit.; Greek—Sophocles, Plato, Greek lit.	Freshman: Alg. (Robinson), geom. and mens. (Robinson), trig. (Robinson). Sophomore: Descrip. geom., alg., trig., sur., nav. Junior: Astron. (Olmsted), alg., conic secs., analyt. geom. Senior: Dif. and integ. calc. (Loomis).
		B. S. ....	Freshman and Sophomore: Same as in A. B. course.	Freshman and Sophomore: Same as in A. B. course. Junior: Astron., alg., topography, conic secs., analyt. geom., dif. calc. Senior: integ. calc., analyt. mech.
41	Mount St. Mary's College, Mount St. Mary's, Md.	A. B. ....	First year: Latin—Gram. (Bullion's and Morris'), comp., prosody, Virgil, Cic.; Greek—Gram. (Yenni), comp., Homer, Xen., history—Grecian and Roman. Second year: Latin—Gram., prosody, comp., Virgil, Cic., history—Grecian and Roman; Greek—Gram., comp., Homer, Demos, Mythology. Third year: Latin—Comp., Prosody, Horace, Livy; Greek—Comp., Prosody, Eurip., Demos. Fourth year: Latin—Juvenal, Persius, Tac., Plautus; Greek—Sophocles, Greek lit. and antiquities, Thucyd.	First year: Arith., alg. (Ficlin), geom. (Schuyler). Second year: Alg., trig., solid geom. (Schuyler). Third year: Analyt. geom. and calc. (Peck), sur. Fourth year: Astron. (Newcomb).
42	Amherst College, Amherst, Mass.	A. B. ....	Freshman: Latin—Cic., comp., Livy, Horace; Greek—Herod., Homer or lyric poets, Plato, Thucyd., Greek Testament. Sophomore: Latin—Tac., Plautus, Cic., Pliny, hist. of Latin lit., Rom. archæology, Catullus, Horace; Greek—Sophocles, Eurip., Demos., Sophocles., Greek historians. Junior: Latin—Seneca, Quintilian, Lucilius, Persius, Juvenal, Tac., Christian Latin poetry; Greek—Homer, Aristophanes, Lucian, Plato. Senior: Latin—Quintilian, Justinian, Cic.; Greek—Plato. Sanskrit: Gram. (Whitney), Lanman's reader, Nala, Rigveda, Hitopadeśa, Manu.	Freshman: Geom. (Wentworth), alg. (Olney), trig. (Wentworth). Sophomore: Analyt. geom. (Wentworth), calc. (Taylor). Junior: Analyt. mech., math. theory of elec. Senior: Astron. (Young), pract. astron.
		B. S. ....	Latin—Freshman and Sophomore: Same as in A. B. course.	Same as in A. B. course. ....
43	Boston University, Boston, Mass.	A. B. ....	Freshman: Latin—Livy, Comp., Horace; Greek—Xen., Greek writing, Homer, Herod., Sophomore: Latin—Horace, Juvenal, Cic., Tac.; Greek—Demos. or Lysias; Greek. Junior: Latin, Greek. Senior: Greek, Latin, Sanskrit.	Freshman: Solid geom., alg., plane trig. Sophomore: Sph. trig., sur. Junior: Analyt. geom., calc. Senior: Theory of equations, or determinants, astron.

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Rhet., studies in style, Irving's sketch book, elocution and reading, Eng. lit. (Jenkins), essays, Sophomore: Criticism, Eng. lit., Spencer's phil. of style, essays. Junior: Essays, Eng. lit., Shakspearean studies, Chaucer, development of old Eng. lit. (Brother Azarias).		Junior: Logic (Jouin). Senior: Phil. of lit. (Azarias), metaphysics (Jouin and Balmes), ethics (Hill's moral philosophy), phil. of hist. (Schlegel), essays, evidences of Christianity (Jouin).	40
Same as in A. B. course.....		Same as in A. B. course.	
First year: Rhet. (Hart), comp., Eng. etymology, Howard's outlines, elocution. Second year: Eng. lit. (Hart), Eng. etymology, comp., elocution. Third year: Comp., English past and present (Trench), rhet. (Hill), Elocution. Fourth year: Prose comp. (Minto), comp. in prose and verse, elocution.		Third year: Logic. Fourth year: Metaphysics, ethics.	41
Freshman: Elocution. Sophomore: Elocution, <i>rhet.</i> (Gennung), oratory. Junior: Oratory, rhet., Eng. lit., oratory. Senior: Oratory, Eng. lit.	Sophomore: French— <i>Gram.</i> (Whitney), Bernard, <i>Dumanoir</i> , <i>De Rougemont</i> , <i>Racine</i> , <i>Cornetille</i> , <i>Feuillet</i> , hist. of <i>French lit.</i> , comp., <i>Lacombe</i> , <i>Sand</i> , <i>Molière</i> ; German— <i>Gram.</i> (Meissner), reader (Deutsch), <i>Lessing</i> , <i>Schiller</i> , <i>German lit.</i> Junior: French— <i>Crane</i> , <i>Both-Hendricksen</i> , <i>Alfred de Musset</i> , <i>Lamartine</i> , <i>Hugo</i> ; German— <i>Goethe</i> , <i>scientific German</i> , hist. of <i>German lit.</i> ; Italian— <i>Gram.</i> and <i>Italian lit.</i> (Montagne), <i>Dall</i> , <i>Dante</i> ; Spanish— <i>Gram.</i> (Montagne), <i>Colmena</i> , <i>Espanola</i> , <i>Worman's first Spanish book</i> , <i>Cervantes</i> .	Sophomore: <i>Logic</i> (Jevons). Senior: <i>Empirical psychology and logic</i> (Hickok), <i>moral science</i> (Hickok), <i>rational psychology</i> , hist. of <i>phil.</i> (Schwegler).	42
Freshman: Elocution. Sophomore: Elocution, <i>rhet.</i> , oratory. Junior and Senior: Oratory.	Freshman and Sophomore: Same as in Sophomore and Junior in A. B. course.	Sophomore: <i>Logic</i> . Senior: <i>Empirical psychology and logic</i> , <i>moral science</i> , <i>rational psychology</i> , history of <i>phil.</i>	
Sophomore: Rhet., vocal and forensic training, Eng. lit., Eng. essays. Junior: Vocal and forensic training, Eng. lit., <i>Anglo-Saxon</i> , Eng. essays. Senior: Eng. lit., <i>Anglo-Saxon</i> .	Freshman: German—Reading and exercises. Sophomore: German, French. Junior: German, French, Italian. Senior: French, German, Spanish.	Junior: Psychology, logic, ethics. Senior: Phil. of theism, <i>phil. of ethics</i> , evidences of Christianity, <i>metaphysics</i> , hist. of <i>phil.</i> , <i>theory of knowledge</i> .	43

TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
44	Massachusetts Institute of Technology, Boston, Mass.	B. S. in C. E.	.....	First year: Solid geom., alg., trig. Second year: Sur. descrip. geom., descrip. astron., analyt. geom., dif. calc. Third year: Sur., int. calc., astron. Fourth year: <i>Dif. equations, least squares.</i>
		B. S. in Mech. Eng.	.....	First year: Same as in B. S. in C. E. Second year: analyt. geom., descrip. geom., dif. calc. Third year: Int. calc., sur.
		B. S. in Min. Eng.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom., sur., descrip. geom., dif. calc. Third year: Int. calc.
		B. S. in Metallurgy.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom., dif. calc., descrip. geom. Third year: <i>Integ. calc.</i>
		B. S. in Arch.	.....	First and second years: Same as in B. S. in Mech. Eng. Third year: <i>Integ. calc.</i>
		B. S. in Chem.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom., <i>dif. calc.</i> Third year: <i>Integ. calc.</i>
		B. S. in Elec. Eng.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom., descrip. geom., dif. calc. Third year: Integ. calc. Fourth year: Least squares, dif. equations, <i>quaternions, theory of potential.</i>
		B. S. in Biology.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom.
		B. S. in Physics.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom., descrip. astron., dif. calc., <i>gen. theory of equations, determinants.</i> Third year: Integ. calc., analyt. geom., alg., trig., advanced calc., <i>quaternions.</i> Fourth year: Least squares, dif. equations, <i>alg., trig., analyt. geom., quaternions, advanced calc., definite integrals, theory of potential.</i>
		B. S. in Gen. Studies.	.....	First year: Same as in B. S. in C. E. Second year: Analyt. geom. Fourth year: descrip. astron.
		B. S. in Chem. Eng.	.....	First, second, and third years: Same as in B. S. in Elec. Eng.
		B. S. in Sanitary Eng.	.....	First and second years: Same as B. S. in Mining Eng. Third year: Sur., integ. calc.
45	Harvard University, Cambridge, Mass.	A. B. ....	Electives: Greek—Herod., Homer, prose comp., Lysias, Plato, Eurip., Aristophanes, Sidgwick's introduction, Goodwin's moods and tenses, Lucian, Demos., lyric poets, Soph. Æschylus, Thucyd., Xen., Plutarch, Lysurgus, Pindar, Aristotle, life of the ancient Athenians, Three Centuries of	Electives: Logarithms, plane trig., analyt. geom., alg., solid geom., pract. applications of plane trig., sph. trig., applications of sph. trig. to astron. and nav., dif. and integ. calc., elements of mechanics, theory of equations, quaternions and theoretical mechanics, higher plane



and universities.—PART I—Continued.

*Italics are elective.*

English.	Modern languages.	Philosophy.	
First year: Hist. of Eng. lang., comp. Second year: Eng. lit. Third year: English. Fourth year: English.	First year: French or German. Second year: German. Third year: German.	.....	44
First year: Same as in B. S. in C. E. Second year: Eng. prose. Third and Fourth years: Eng. prose.	Same as in B. S. in C. E.		
First year: Same as in B. S. in C. E. Second year: Eng. lit.	Same as in B. S. in C. E.		
First and second years: Same as in B. S. in C. E. Third year: <i>English</i> .	Same as in B. S. in C. E.		
Same as in B. S. in C. E. ....	First, second, and third years: Same as in B. S. in C. E. Fourth year: Advanced French.		
Same as in B. S. in Metallurgy...	Same as in B. S. in C. E.		
First, second, and third years: Same as in B. S. in C. E.	Same as in B. S. in C. E.		
Same as in B. S. in Elec. Eng....	Same as in B. S. in C. E. ....	Third year: Sociology.	
Same as in B. S. in Elec. Eng....	Same as in B. S. in C. E.		
First year: Same as in B. S. in C. E. Second year: Eng. lit. Third year: English, Eng. lit. Fourth year: Eng. lit., literature of the 17th century. Same as in B. S. in Elec. Eng....	First year: Same as in B. S. in C. E. Second and third years: French, German. Fourth year: German. Same as in B. S. in C. E.	Third year: Sociology. Fourth year: Logic, hist. of phil.	
Same as in B. S. in C. E. ....	Same as in B. S. in C. E.		
Freshman: Rhet. and Eng. comp. (Hill). Sophomore: Twelve Themes. Junior and Senior: Four forensics each year. Electives: Eng. comp., oral discussion of topics in polit. econ. and hist., Sweets' Anglo-Saxon Reader, Anglo-Saxon poetry, early English, Eng. lit., Chaucer, Bacon, Milton, Shakspeare, Eng. lit. of	Freshman: French—Charde- nal's First French Course, Bo- cher's Reader, French prose or German gram., translation. Electives: <i>German</i> , modern essays, drama and lyrics, prose and poetry, German lit. of 19th century, Ger. lit. of 18th century—Lessing, Schiller, Goethe, hist. of Ger. lit. and art from the reforma-	Electives: Greek phil. (Zeller), logic (Jevons), psychology (Ladd), ele- mentary study of the fun- damental problems of phil., systematic ethics, Berkeley's principles of human knowledge, Hume's treatise of hu- man nature, Reid's es- says on the intellectual	45

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
45	Harvard University, Cambridge, Mass.—Cont'd.	-----	Greek history (600-300 B. C.), introduction to Greek Epigraphy, the result of archaeological research in Greek lands since 1874, hist. of Greek lit., the political and legal antiquities of Athens; Latin—Cic., Sallust, Virgil, comp., Livy, Terence, Plautus, Pliny, Tac., Horace, ancient phil., Suetonius, Juvenal, Martial, Catullus, Lucretius, hist. of Latin lit., private life of the Romans, Roman religion and worship, Ovid, gram., Quintilian, Gellius, Latin inscriptions, Greek and Latin comp., philology, practice in text criticism and interpretation of Greek and Latin authors.	curves, higher alg. (quantics), analyt. mech., introduction to spherical harmonics, hydrostatics, hydrokinematics, wave motion, Problems in the mechanics of rigid bodies, theory of functions, special advanced study and research.
46	Lawrence Scientific School, Cambridge, Mass.	B. S. in Civil and Topograph. Eng.	-----	First year: Analyt. geom., descrip. geom., sur., geodesy. Second year: Pract. applications of plane trig., sph. trig., and its application, dif. and integ. calc. Third year: El. of mechanics.
		B. S. in Geology.	-----	Third year: Descrip. geom., sur.
		B. S. in Biology.	-----	-----
		B. S. in Elec. Eng.	-----	First year: Analyt. geom., descrip. geom. Second year: Dif. and integ. calc., el. of mechanics. Third year: Dif. and integ. calc. Fourth year: Introduction to spherical harmonics.
47	Smith College, Northampton, Mass.	A. B. ....	First year: Latin—Livy, reading at sight, Horace, Cic., <i>Nepos</i> , prose comp.; Greek—Homer, Xen., lectures on hist. of Greek lit., Plato, <i>Homer</i> , <i>Herod.</i> , prose comp. Second year: Latin— <i>Plautus</i> , reading at sight, <i>Tac.</i> , <i>Macrobius</i> ; Greek— <i>Demos.</i> , lectures on Attic orators, <i>Greek Testament</i> , lyric poets.	First year: Alg. (Wentworth, Phillips, and Beebe), geom. and conic secs. (Loomis), plane trig. (Wentworth). Second year: Sph. trig., Dana's mechanics, astron. (Newcomb and Holden), analyt. geom. (Newcomb). Third year: Calc. (Byerly), <i>determinants</i> (Hanus), <i>Tait and Steele's dynamics of a</i>

and universities.—PART I—Continued.

*italics are elective.*

English.	Modern languages.	Philosophy.	
Elizabethan period, exclusive of the drama and of Bacon, Eng. lit. of 17th century, Eng. lit. of 18th century, poets of 19th century, prose writers of 19th century, hist. and prin. of Eng. versification, elocution.	tion to the middle of the 19th century, hist. of German lit. and art in the Middle Ages, Nibelungenlied, Kudrun, Hartmann, Wolfram, Walther, practice in writing and speaking German, research in the history of German lit., Germanic philology; French—George Sand, Dumas, About, Sandeau, La Fontaine, Corneille, Racine, Molière, Beaumarchais, Sainte-Beuve, Alfred de Musset, Balzac, grammaire historique, comp., Bossuet, Voltaire, Rousseau, Montesquieu, Victor Hugo, Histoire de la littérature et de la société française depuis la fin du XVI <sup>e</sup> siècle, Histoire de la littérature et de la société française au X <sup>e</sup> et au XVI <sup>e</sup> siècles, La Renaissance et la Réforme en France, Le Moyen-âge en France, La Chanson de Roland, Les Romans de la Table Ronde, Le Roman de Renart, Villehardouin, Joinville, historical prose, special research in French lit., Italian, Spanish, romance, philology.	powers of man, earlier French phil. from Descartes to Leibnitz, and German phil. from Kant to Hegel, the phil. of nature in its relations to theology and ethics, ethics of social reform, phil. of religion.	45
Fourth year: <i>Eng. comp.</i> .....	First year: German—Gram., translation; French—Char-denal's first course, Bôcher's reader, prose. Second year: German—Modern essays, drama, and lyrics, selections in biography and history, comp. or German prose and poetry, history and lit., comp. Third year: French—George Sand, Dumas, About, Sandeau, La Fontaine, Gram., comp. Fourth year: <i>German lit. of 19th century, French.</i>	Fourth year: <i>Logic and psychology.</i>	46
First year: Rhet. (Hill), Eng. comp. Second year: Twelve themes. Third year: Forensics, lectures on argumentative comp. Fourth year: Forensics.	First year: Same as in B. S. in Civil and Topograph. Eng. Second year: German—Prose and poetry, hist. and lit., comp.		
Fourth year: <i>Eng. comp.</i>	First year: Same as in B. S. in Civil and Topograph. Eng. Second year: German—Modern essays, dramas, and lyrics; selections in biography and hist., comp.; French—Same as in third year in B. S. in Civil and Topograph. Eng. Fourth year: <i>German, French.</i>	Third year: Psychology and general introduction to philosophical study, lectures on logic.	
Second year: Rhet, Eng. comp. Third year: Twelve themes.			
First year: Elocution, rhet. (Hill), <i>gen. survey of Eng. lit., American lit.</i> Sec <sup>nd</sup> year: Rhet. (Grunig), <i>Trench's English Past and Present, elocution, Eng. lit., the Elizabethan age, Shakespeare's tragedies and comedies, Shakspeare's historical plays, Sweet's Anglo-Saxon reader, Anglo-Saxon Bible, life and works of Cædmon.</i>	Second year: French—Gram., Henri Gréville, comp., André Theuriot, La Fontaine, Lacombe, <i>lectures on the hist. of France.</i> Third year: German—Otis's el. gram., Grimm's, Volkslieder, comp., gram. (Whitney), Benedix, Haufl, Baumbach, short selections from J. Schmidt, K. Frenzel, and others; Freitag (Die Jour-	Third year: Logic (Jevons). Fourth year: Psychology (Dewey), ethics (Calderwood), evidences of Christianity, <i>hist. of phil. (Schwegler), Aristotle's De Anima, hist. of modern phil., comp. religion, Watson's selections from Kant.</i>	47



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
47	Smith College, Northampton, Mass.—Continued.	A. B.—Con.	Third year: Latin— <i>Tac., Latin etymology, comp., Catullus, writing and speaking Latin</i> ; Greek— <i>Plato, tragedies, Pindar</i> . Fourth year: Latin— <i>Tac., Terence, Quintilian, lectures on Latin rhetorical writers</i> ; Greek— <i>Plato, tragedies, selections</i> .	<i>particle, astron.</i> (Young). Fourth year: <i>Astron.</i> (Newcomb and Holden), <i>least squares, quaternions</i> (Hardy), <i>solid geom.</i> (Aldis), <i>pract. astron.</i>
		B. L. ....	First year: Latin— <i>Livy, reading at sight, Horace, Cic., comp., or Greek—Homer, Xen., Plato, lect. on hist of Greek lit.</i>	.....
		B. S. ....	.....	First year: Same as in A. B. course. Second year: <i>Sph. trig., mechanics, analyt. geom.</i>
48	Mount Holyoke Seminary and College, South Hadley, Mass.	A. B. ....	First year: Latin— <i>Cic., Livy, prose comp.; Greek—Greek historians, comp., syntax, Homer, reading at sight, Demos., Testament</i> . Second year: Latin— <i>Horace, Tac., Crowell's selections from the Latin poets, Pliny</i> ; Greek— <i>Drama, Plato, lyric poets, Plato's Phædo</i> . Third year: Latin— <i>Cic., Plautus</i> . Fourth year: Latin— <i>Latin poets, Quintilian</i> ; Greek— <i>Plato</i> .	First year: <i>Alg.</i> (Olney), <i>geom.</i> (Chauvenet), <i>trig.</i> (Olney). Second year: <i>Analyt. geom.</i> Third year: <i>Calc., astron.</i> (Young). Fourth year: <i>Sph. and pract. astron.</i>
		B. S. ....	First year: Latin— <i>Cic., Livy, prose comp.</i> . Second year: Latin— <i>Crowell's selections from Latin poets, Pliny</i> . Fourth year: <i>Greek and Oriental lit.</i>	First year: Same as in A. B. course. Second year: <i>Analyt. geom., dif. calc., integ. calc.</i> Third year: <i>Mechanics, astron.</i> Fourth year: <i>Sph. and pract. astron., advanced analyt. geom., determinants.</i>
49	Wellesley College, Wellesley, Mass.	A. B. ....	Freshman: Latin— <i>Comp., Cic., Livy, Tac.</i> ; Greek— <i>Plato, Herod., Odyssey</i> . Sophomore: Latin— <i>Horace, comp., Pliny</i> ; Greek— <i>comp., Demos.</i> Junior: Latin— <i>Plautus, Terence, Juvenal, Cic., Greek, Thucyd., Testament</i> . Senior: Latin— <i>Lucretius, Quintilian, Cic., lyric, idyllic, and elegiac poetry</i> ; Greek— <i>Eurip., Æschylus, Sophocles, Testament</i> .	Freshman: <i>Geom.</i> (Chauvenet), <i>alg.</i> (Newcomb), <i>trig.</i> (Chauvenet). Sophomore: <i>Theory of equations, analyt. geom.</i> (Puckle). Junior: <i>Dif. and integ. calc.</i> (Rice and Johnson). Senior: <i>Determinants, analyt. geom.</i> (Aldis), <i>modern analyt. geom.</i> (Whitworth), <i>analyt. mech., theoret. astron.</i> (Watson), <i>phys. astron.</i>
		B. S. ....	Junior: <i>Latin, Greek Testament</i> . Senior: <i>Latin</i> .	Freshman: Same as in A. B. course. Sophomore: <i>Theory of equations, analyt. geom.</i> Junior and Senior: Same as in A. B. course.

and universities.—PART I—Continued.

*italics are elective.*

English.	Modern languages.	Philosophy.	
Third year: Rhet. (Whately), <i>Eng. lit., Anglo-Saxon poetry, elocution, comp., study of Eng. rhet.</i> Fourth year: <i>Eng. lit., rhet., elocution.</i>	nalisten); French— <i>Hist. of Fr. lit. in 19th century, selections from authors of the period, Molière, Racine, Corneille.</i> Fourth year: French— <i>Lit. of the Renaissance, hist. of Fr. lit. from the earliest times to the Renaissance;</i> German— <i>Goethe, Lessing, Freitag, Scherer, Max Müller, Schiller, Kluge, comp.</i>		47
First year: Elocution, rhet., <i>Eng. lit.</i> Second year: Rhet., <i>Eng. lit., Anglo-Saxon.</i> Third year: Rhet., <i>Eng. lit.</i> Fourth year: Rhet.	First year: French or German. Second and third years: French, German.	Third year: Logic. Fourth year: Psychology, ethics, evidences of Christianity.	
First year: Rhet. Third year: Rhet.	First and second years: Same as in B. L. course.	Third year: Logic. Fourth year: Ethics.	
First year: Rhet., <i>Eng. lit.</i> Second year: Rhet. Third year: <i>Eng. lit., rhet.</i> Fourth year: <i>Rhet., Eng. lit., Anglo-Saxon, elocution.</i>	Second year: French— <i>Selections from modern plays, gram., translation from Eng. into Fr., comp., Racine, Corneille;</i> German— <i>Gram., poetry, Ger. prose, lyric poems.</i> Third year: French— <i>Molière, Lamartine, Madame de Sévigné, translations from Eng. into Fr., Chardenal, Mérimée, Victor Hugo, George Sand, comp., histoire de la littérature Française;</i> German— <i>Syntax, modern plays, Lessing, ballads, Schiller, comp., national literature.</i>	Third year: Logic (Jevons), C. C. Everett's science of thought, Harris's theory of the syllogism. Fourth year: Psychology (Hickok), introduction to the study of phil. (Harris), hist. of phil. (Harris), Schwegler, Ueberweg, theism and Christian evidences, ethics.	48
First year: Rhet. Second year: Rhet., elocution. Third year: <i>Eng. lit., rhet., elocution.</i> Fourth year: <i>Eng. lit., rhet.</i>	First year: French— <i>Selected prose, gram., modern plays, comp., translation, Racine, Corneille; or German—Gram., modern plays, lyric poems, syntax, comp., Lessing, Schiller, ballads.</i> Second year: French— <i>Molière, Lamartine, Madame de Sévigné, translations, Chardenal, Mérimée, Victor Hugo, George Sand, comp., histoire de la littérature Française; or German—Schiller, Kluge, comp., literature, scientific German.</i> Third year: French; German— <i>Schiller, Goethe, literature, scientific German, comp.</i>	Fourth year: Same as in A. B. course.	
Freshman: Lect. on 19th century authors, elocution. Sophomore: Hist. of <i>Eng. lit., rhet.</i> Junior: Rhet., <i>elocution, Eng. lit.</i> Senior: Rhet., <i>Eng. lit., Anglo-Saxon</i> (Sweet), elocution.	Sophomore, Junior, and Senior: <i>French, German.</i> Junior: <i>Italian.</i> Senior: <i>Italian or Spanish.</i>	Freshman: Christian ethics. Junior: Logic, introduction to phil., psychology, ethics, moral phil., metaphysics. Senior: Psychology, ethics, moral phil., or psychology and metaphysics, Christian evidences, speculative phil., hist. of phil.	49
Same as in A. B. course.....	Freshman: French—Hist. of Fr. lit. to 17th century (Denogret), three classic plays, gram., comp.; German—Schiller's life and works, gram., comp., <i>Die Schönsten Deutschen Leider.</i> Sophomore: French— <i>Lit. of 17th century, translations from Eng. into French;</i> German— <i>Hist. of Ger. lang. and lit., Goethe's life and works, Goethe, Schiller, Lessing, poetry.</i> Junior: French— <i>Lit. of 18th</i>	Same as in A. B. course.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and Astronomy.
49	Wellesley College, Wellesley, Mass.— Continued.	.....		
50	Williams College, Williamstown, Mass.	A. B. ....	Freshman: Latin—Livy, Smith's Rome and Carthage, Horace, comp., lectures, Tacitus, rapid reading; Greek—Herod., Homer, Thucyd., comp., lectures on Greek arch. Sophomore: Latin—Horace, Cic., <i>Cicero's letters</i> ; Greek—Plato, Eurip., lectures on Greek phil., <i>Aristophanes and drama</i> . Junior and Senior: Latin— <i>Rapid reading, interpretation, textual criticism, syntax, conspiracy of Catiline</i> ; Greek— <i>Lysias, Xen., hist. of Athens, oratory, Lucian</i> .	Freshman: Alg. (Wentworth), geom. (Loomis), trig., mens., nat., and sur. (Loomis). Sophomore: Conic secs. (Loomis), <i>analyt. geom.</i> Junior and Senior: Astron. (Loomis). Junior: <i>Trig., conic secs.</i> Senior: <i>Calc., astron.</i>
51	Michigan Agricultural College, Agricultural College, Mich.	B. S. in Agr.	.....	Freshman: Alg. (Olney), geom. (Wentworth). Sophomore: Alg., trig. (Olney), sur. Senior: <i>Astron.</i> (Newcomb).
		B. S. in Mech.	.....	Freshman: Alg., geom., descrip. geom. Sophomore: Descrip. geom., alg., trig., sur., <i>analyt. geom.</i> (Olney). Junior: Calc. (Olney), solid geom., <i>analyt. mech.</i> (Bowser). Senior: <i>Astron.</i> (Newcomb).
52	University of Michigan, Ann Arbor, Mich.	.....	Latin—Livy, gram., comp., Quintilian, Horace, lectures on Rom. lit., Pliny, classical antiquities and art, Virgil, Tacitus, Plautus, Terence, Persius, Cicero, Seneca; Greek— <i>Lysias, Xen., Demos., Æschylus, Soph., Aristophanes, Lyric anthology, Pindar, Plato, Aristotle, Homer, Eurip., hist. of Greek lit., Greek antiquities, selections from the minor Greek poets, Plato, modern Greek, Sanskrit, gram. (Whitney), Kalidasa's Sakuntala, Lanman's Sanskrit reader.</i>	Alg., <i>analyt. geom., calc., modern higher alg., trig., dif. equations, quaternions, analyt. mechanics, mathematical reading, math. theory of electricity, elements of the theory of functions, theoret. astron., sph. and pract. astron., gen. astron., descrip. geom., surveying.</i>
53	University of Minnesota, Minneapolis, Minn.	A. B. ....	Freshman: Latin—Livy, comp., Rom. hist.; Greek— <i>Xen., hist. of Greece (Smith, Grote), Demos.</i> Sophomore: Latin—Horace, hist. of Rom. lit., Tac., Pliny; Greek—Greek tragedy, hist. of Greece (Smith), Plato, Homer, essays. Junior: Latin—Plautus, early Latin lang. and lit., <i>hist.</i>	Freshman: Higher alg., trig., <i>sur.</i> Junior: <i>Astron., analyt. geom., conic sections, dif. calc., integ. calc.</i> Senior: <i>Pract. astron., analyt. geom., quaternions.</i>



and universities.—PART I—Continued.

italics are elective.

English.	Modern languages.	Philosophy.	
	century (Albert), <i>classics</i> , translation. German, <i>hist. of Ger. lit.</i> , <i>Goethe</i> , <i>poetry</i> , <i>essays</i> ; Italian. Senior: French— <i>Lit. of 19th century</i> , <i>early French from the 10th to the 15th centuries</i> , <i>essays</i> ; German— <i>Hist. of Ger. lit. of 19th century</i> , <i>Medea</i> , <i>Uriel Acosta</i> , <i>Harald</i> , <i>poetry</i> , <i>Italian or Spanish</i> .		49
Freshman: Oratory, rhet. (Bacon and Morgan). Sophomore: Rhet., oratory. Junior: Rhet., oratory, <i>Canterbury tales</i> , <i>lit. of 19th century</i> . Senior: Rhet., manual of Eng. lit. (Arnold), <i>lit. of Elizabethan age</i> .	Sophomore: German—Gram., prose reading, comp., Schiller. Junior: German—Lit. of 19th century, comp., stories and plays, <i>lit. of 18th century</i> , Lessing, Schiller, lyrics and ballads, lectures on contemporary lit.; French—Gram., prose reading, exercises, modern comedies, modern dramas. Senior: <i>French</i> , <i>German</i> .	Senior: Outline study of man (Hopkins), psychology (Sully), logic (Jevons), law of love and love as a law (Hopkins), theory of morals (Jauet), <i>hist. of philosophy</i> (Schwegler), <i>Flint's theism</i> , <i>psychology</i> , <i>ethics</i> , <i>modern phil.</i>	50
Freshman: Whitney's essentials, elocution, rhet. (Hill). Sophomore: Declamations, essays, rhet., oratory. Junior: Essays, oratory, Eng. lit. Senior: <i>Essays</i> , <i>Eng. lit.</i> , <i>Milton</i> , <i>oratory</i> .	Junior: German or French.....	Junior: Logic (Jevons). Senior: <i>Psychology</i> (Bacon), <i>moral phil.</i>	51
Freshman and Sophomore: Same as in B. S. in Agr. Junior: Oratory. Senior: Oratory, Eng. lit.			
Comp., speeches, rhet., rhetorical criticisms, forensics, Eng. lit., (1) period of Anglo-Saxon, (2) period of early modern English, (3) study of masterpieces, (4) period of transitional English, (5) period of modern English, (6) study of Shakspeare, <i>hist. of English drama</i> , <i>American lit.</i> , gram. (Whitney, Greene), elocution, oratory.	French—Beginning French, idiomatic analysis, French classic dramas, scientific reading, French plays and modern prose, Montaigne, Crane's <i>Le Romantisme Français</i> , composition and translation from Eng. into French, study of authors, La Fontaine, théâtre de Voltaire, Rousseau and Montesquieu, contract social and esprit des lois; German—Gram., reader, Schiller, Goethe, Lessing, classical and scientific prose, the Nibelungenlied, der arme Heinrich, Walter von der Vogelweide, <i>lit. of 18th century</i> , <i>lit. of 19th century</i> , lyric poetry, chemical lit.; Italian—Gram., reader, Dante; Spanish—Spanish gram. and readings (Knapp); Swedish; Gothic—Gram.	Empirical psychology (Dewey), real logic or the principles of phil., formal logic (Jevons), <i>hist. of phil.</i> , <i>ethics</i> , Locke's essay, Berkeley's principles, Hegel's logic, political phil., principles of science, aesthetics, physiological psychology (Ladd), <i>speculative psychology</i> , <i>problems</i> , <i>Hume's treatise on human nature</i> .	52
Freshman: Rhet., elocution, comp., Anglo-Saxon, <i>hist. of Eng. lang.</i> Sophomore: Rhet. (Günung), elocution, orations, <i>Milton's Paradise Lost</i> , <i>Shakspeare</i> . Junior: <i>Hist. of New Eng. lit.</i> , orations, essays, <i>Shakspeare</i> , <i>hist. of old and middle Eng. lit.</i> Senior: Orations, essays, Eng. lit., comparative philology, Shakspeare.	Sophomore: French—Gram. and reader (Otto). Junior: German—MacMillan's <i>German course</i> , <i>Boisen's German prose</i> , <i>Whitney's German gram.</i> , <i>Deutsche lyric and hist. of Ger. lit.</i> ; French— <i>Sous la Neige</i> , <i>Roman d'un Jeune Homme Pauvre</i> , <i>Athalie</i> , <i>Petite grammaire</i> , <i>Française histoire de la littérature</i>	Junior: Logic, psychology. Senior: <i>Hist. of philosophy</i> , <i>natural theology</i> , <i>ethics</i> .	53

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
53	University of Minnesota, Minneapolis, Minn.—Continued.		<i>and elements of Rom. law; Greek—Homer, Grote's history, Blackie's Horæ Hellenicæ. Senior: Latin—L. Seneca's Dialogues and Latin Hymns; Greek—Lyrics, lectures.</i>	
		B. S. ....	Freshman: Latin— <i>Livy, comp., Rom. hist.</i> Sophomore: Latin— <i>Horace, hist. of Rom. lit., Tac., Pliny.</i> Junior: Latin— <i>Plautus, early lang. and lit., hist. and elements of Rom. law.</i>	Same as in A. B. course. ....
		B. L. ....	Freshman and Sophomore: Same as in B. S. course. Junior: <i>Hist. and elements of Rom. law.</i> Senior: Same as in A. B. course.	Same as in A. B. course. ....
54	University of Mississippi, University, Miss.	A. B. ....	Freshman: Latin— <i>Gram., comp., Cic., Livy, Rom. hist.; Greek—Hist., Xen.</i> Sophomore: Latin— <i>Comp., Horace, Tac., Rom. hist.; Greek—Hist., Herod., Thucyd., Plato, Demos.</i>	Freshman: Van Amringe's Bourdon's Alg., geom. (Legendre). Sophomore: Trig. (Legendre), analyt. geom. (Church), mens., sur., calc. (Church). Senior: Mechanics (Peck), astron. (Loomis).
		B. S. ....	Latin—Same as in A. B. course.	Same as in A. B. course. ....
55	St. Louis University, St. Louis, Mo.	A. B. ....	Freshman: Latin— <i>Syntax, prosody, gram., Cæsar, Ovid, Virgil, Cic., selections from Christian poets, themes, verse making; Greek—Etymology, syntax, gram., Greek anthology, Xen., themes.</i> Sophomore: Latin— <i>Prosody, Virgil, Cic., Horace, selections from Christian poets, versification, themes, imitations; Greek—Dialects, prosody, Xen., Homer, themes, conversion of dialects.</i> Junior: Latin— <i>Cic., Horace, Tac., comp., themes, imitations, translations; Greek—Demos., St. Chrysostom, Sophocles or Æschylus, themes, imitations.</i>	Freshman: Geom. (Wentworth). Sophomore: Trig. (Wentworth), sur. Junior: Alg. (Wentworth), analyt. geom. (Wentworth). Senior: Dif. and integ. calc., astron. (Newcomb and Holden).

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
	<i>Française au Moyen Age, Le Cid, La Philosophie de l'Art, La Philosophie de l'Art en Italie, La Littérature du XVIII<sup>e</sup> siècle; Scandinavian. Senior: French—Eickmann-Chatrian, Vauvenargues, Marcellac, Rougemont, Tableaux de la Révolution française, Taine, lectures, De l'Idéal dans l'Art, Alfred de Vigny, Victor Hugo, la littérature contemporaine; German—Schiller, Goethe, Lessing, Deutsche Lyric, and hist. of Ger. lit.; Scandinavian.</i>		53
Freshman: Rhet., elocution, comp., <i>Anglo-Saxon, old and middle Eng. poetry</i> , hist. of Eng. lang., Chaucer. Sophomore: Same as in A. B. course and <i>hist. of old and middle Eng. lit.</i> Junior and Senior: Same as in A. B. course.	Freshman: German—Schiller, <i>gram., German historical ballads</i> (Wagner), <i>Lessing</i> . Sophomore: French— <i>Gram. and reader</i> (Otto), <i>Fénélon's Télémaque</i> . Junior: German—Schiller, Goethe, <i>Lessing, Deutsche lyric and hist. of Ger. lit.</i> ; Scandinavian. Senior: Same as in A. B. course.	Same as in A. B. course.	
Same as in B. S. course.....	Freshman: German—Schiller, <i>gram., Wagner, Lessing</i> . Sophomore: French— <i>Gram. and reader, Télémaque</i> . Junior: German—Schiller, Goethe, <i>Lessing, Deutsche lyric and hist. of Ger. lit.</i> ; French— <i>Sous la Neige, Roman d'un Jeune Homme Pauvre, Athalie, Petite Grammaire Française histoire de la littérature Française, au Moyen Age, Le Cid, La Philosophie de l'Art, La Philosophie de l'Art en Italie, La Littérature du XVIII<sup>e</sup> siècle; Scandinavian. Senior: Same as in A. B. course.</i>	Same as in A. B. course.	
Freshman: Gram. (Whitney), rhet., <i>Anglo-Saxon grammar and reader</i> (March), <i>Trench on Study of Words</i> . Junior: Morris' <i>Accidence</i> , Amer. lit., Gummere's <i>Handbook of Poetics</i> , Rolfe's <i>Select Plays</i> , Hale's <i>Eng. Poems</i> , Dowden's <i>Mind and Art of Shakspeare</i> . Freshman: Gram., rhet. Junior: Same as in A. B. course.	Sophomore: French—Montonnier's <i>Etude Française</i> , Worman's <i>Second French Book</i> , <i>Contes Choisis</i> , hist. of French lit.	Junior: Psychology, logic (McCosh), moral phil. (Calderwood), Christian evidence, hist. of phil.	54
	Sophomore: French—Same as in A. B. course; German—Woodbury's <i>Easy Lessons in Ger.</i> ; Worman's <i>Second Ger. Book</i> , <i>Novellen und Schauspiele</i> , Ger. lit.	Same as in A. B. course.	
Freshman: Coppen's <i>Pract. Introduction</i> , comp., dialogues, versification, Eng. lit., elocution. Sophomore: Coppen's <i>Pract. Introduction</i> , nature and varieties of poetry, including epic, beauty, sublimity, taste, etc., Jenkins' <i>Manual</i> , lit. of eighteenth and nineteenth centuries, elocution. Junior: Comp., dramatic poetry, history, Jenkins' <i>Manual</i> , Eng. lit., elocution. Senior: Eng. lit., elocution.		Freshman: Christian doctrine. Sophomore and Junior: <i>Evidences of religion</i> (Schouppé). Senior: <i>Evidences of religion</i> (Schouppé), logic and metaphysics (Russo), ethics (Jouin).	55



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
56	Washington University, St. Louis, Mo.	A. B. ....	Freshman: Latin—Livy, Horace; Greek—Felton's Greek Historians, Isocrates, Homer, Lysias, exercises in writing Greek. Sophomore: Latin—Cic., Juvenal, Terence, Plautus; Greek—Demos., Æschylus, Eurip. Junior: Latin—Tacitus or Quintilian; Greek—Thucyd., Sophocles. Senior: Latin; Greek.	Freshman: Geom., higher alg., trig. Sophomore: Analyt. geom., dif. calc. or mechanics. Junior: Sph. trig., integ. calc. Senior: Astron.
		Ph. B. ....	Latin—Same as in A. B. course.	Freshman: Geom., higher alg., trig., descrip. geom. Sophomore: Analyt. geom., dif. calc. or mechanics, descriptive geom. Junior: Sph. trig., integ. calc., stereotomy, least squares. Senior: Astron., pract. astron.
		C. E. ....	.....	Freshman: Geom., higher alg., trig., descrip. geom. Sophomore: Analyt. geom., descrip. geom., dif. calc., sur. Junior: Stereotomy, integ. calc., sph. trig. Senior: Descrip. astron. (Newcomb and Holden), pract. astron. Fifth year: Least squares.
		D. E. ....	.....	Freshman and Sophomore: Same as in C. E. course. Junior: Integ. calc., sph. trig. Senior: Descrip. astron. Fifth year: Theory of probability, least squares, analyt. geom., Quaternions, sph. trig., pract. astron.
		Chemist ..	.....	Freshman and Sophomore: Same as in C. E. course. Junior: Integ. calc.
		Mining ..	.....	Freshman and Sophomore: Same as in C. E. course. Junior: Integ. calc.
		B. S. ....	.....	Freshman and Sophomore: Same as in C. E. course. Junior: Integ. calc., sph. trig. Senior: Appl'd mec., astron., pract. astron.
		M. S. ....	.....	Freshman and Sophomore: Same as in C. E. course. Junior: Calc., analyt. geom., sph. trig., advanced descrip. geom. Senior: Descrip. astron., analyt. mech., geodesy, calc., dif. equations, pract. astron. Fifth year: Quaternions, least squares, higher equations, sph. harmonics.
57	Drury College, Springfield, Mo.	A. B. ....	Freshman: Latin—Livy, comp., Horace; Greek—Homer, etymology, hist., Herod. Testament, Thucyd., comp. Sophomore: Latin—Horace, Cic., Tac., Juvenal; Greek—Plato, Demos. Sophomore Junior: Latin—Quintilian, Plautus; Greek—Aristophanes.	Freshman: Geom. (Wentworth), alg. (Olney). Sophomore: Sph. trig. (Robinson), sur., analyt. geom., conic sec. (Coffin), descrip. geom. (Davis). Junior: Astron. (Newcomb).
		B. S. ....	.....	Freshman: Geom., alg., trig. Sophomore and Junior: Same as A. B. course.

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Themes, elocution. Sophomore: Themes, elocution, list. of Eng. lit. Junior: Rhet., study of early English, themes. Senior: Eng. lit., graduating thesis.	Freshman: French or German. Sophomore: French—Reading from French authors; German—Gram., comp., lit., conversation. Junior: German, French. Senior: <i>German, French.</i>	Freshman: El. ethics. Junior: Logic (Jevons). Senior: Porter's Elements of Intellectual Science, ethics.	56
Same as in A. B. course .....	Same as in A. B. course .....	Same as in A. B. course.	
Freshman: Elocution, comp., Shakspeare. Sophomore: Modern lit. Junior: Early Eng. lit. Senior: Study of style.	French or German. Freshman: Gram., reader. Sophomore: Reading prose writers.	Freshman: Ethics.	
Same as in C. E. course, and Senior: <i>Rhet., Eng. lit., study of Anglo-Saxon.</i> Fifth year: <i>Early English, Eng. lit.</i>	Freshman and Sophomore: Same as in C. E. course. Junior and Senior: <i>German</i> or <i>French.</i> Fifth year: <i>French, German.</i>	Same as in C. E. course.	
Same as in C. E. course .....	Freshman and Sophomore: Same as in C. E. course.	Same as in C. E. course.	
Same as in C. E. course .....	Same as in chemistry .....	Same as in C. E. course.	
Freshman and Sophomore: Same as in C. E. course. Junior: Rhet., <i>early English.</i> Senior: Study of style, <i>Eng. lit.</i>	Freshman and Sophomore: Same as in C. E. course. Junior and Senior: French or German.	Freshman: Ethics. Junior: Logic. Senior: Mental phil.	
Freshman and Sophomore: Same as in C. E. course. Junior: Hist. of Eng. lit. Senior: English, rhet. Fifth year: Thesis for graduation.	Freshman and Sophomore: Same as in C. E. course. Junior: French, German. Senior: German.	Same as in C. E. course.	
Junior: Rhet. (Hill). Senior: Eng. lit. (Shaw).	Junior: German .....	Junior: Logic (Fowler), evidences of Christianity (McIlvaine). Senior: Intellectual phil. (Porter), moral phil. (Hickok).	57
Sophomore: Eng. lit. Junior and Senior: Same as in A. B. course.	Freshman: French. Sophomore: French lit. Junior: German.	Same as in A. B. course.	

TABLE 28.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
58	Dartmouth College, Hanover, N. H.	A. B. ....	Freshman: Latin—Livy, Cic., Horace, writing Latin; Greek—Plato, Xen., comp., Homer, historians, antiquities. Sophomore: Latin—Horace, Tac.; Greek—Sophocles, Greek drama, lyric poets, Demos. Junior: Latin— <i>Quintilian, Pliny, Plautus, Terence, Juvenal, Seneca</i> ; Greek— <i>Æschines and Demos., Eurip. and Aristophanes, Thucyd.</i> Senior: Greek— <i>Archæology, Collignon's Manual Sanskrit.</i>	Freshman: Alg. (Quimby), solid geom. (Olney), trig. (Olney). Sophomore: Analyt. geom. (Olney), sph. trig. and conic sections, <i>diff. and integ. calc., el. mechanics</i> (Wood). Junior: <i>Analyt. mechanics, descrip. geom.</i> (Church), astron. (Young). Senior: Optional, pract. astron. (Loomis).
		B. L. ....	Latin—Same as in A. B. course.	Freshman: Same as in A. B. course. Sophomore: Same as in A. B. course, and sur., descrip. geom. Junior and Senior: Same as in A. B. course.
		B. S. ....		First year: Alg. (Quimby), geom. (Olney), trig. (Olney). Second year: Gen. geom. and calc. (Olney), sur. (Johnson), descrip. geom. (Church). Third year: <i>Integ. calc., analyt. mech.</i> (Peck). Fourth year: Astron. (Young).
59	New Hampshire College of Agriculture and Mechanic Arts, Hanover, N. H.	B. S. in Agr. and Chem.		First year: Alg. (Quimby), geom. (Olney). Second year: Trig. (Olney). Third year: Sur. (Murray), el. mech. (Wood). Fourth year: Astron. (Newcomb and Holden).
		B. S. in Mech. Eng.		First year: Same as in B. S. course in Agr. and Chem. Second year: Trig., descrip. geom. Third year: Sur., el. mech., gen. geom. and calc. (Olney). Fourth year: Astron.
60	Rutgers College, New Brunswick, N. J.	A. B. ....	Freshman: Latin—Cic., comp., synonymes (Shumway), etymology (Halsey), Livy, Horace, mythology and antiquities. Greek—Lucian's Timon or three books of Homer, Greek writer (Sidgwick), Demos., Greek lit. (Jebb), Isocrates, prose (Wilkins). Sophomore: Latin—Cic., comp., Tac., Pliny, Terence or Plautus, hist. of Latin lit.; Greek—Sophocles, comp. (Wilkins), Thucyd., Aristophanes. Junior: Latin—Institutes of Justinian or Gaius, outlines of Rom. law. (Morey), writing Latin, Cic., Catullus, Tibullus, Propertius; Greek—Plato, Buckholz's Anthology, Aristotle's <i>ethics</i> , Senior: Latin— <i>Rhetorical, or legal, or patristic, Lucretius, Virgil, Latin style</i> ; Greek— <i>Aristotle's Organon with Porphyry's Isagoge, Anthology, Trendelenburg's Elementa, Log., Aristotle, lectures on the Organon.</i>	Freshman: Geom. and Alg. (Wentworth). Sophomore: Trig. (Wentworth), analyt. geom. (Bowser). Junior: <i>Diff. and integ. calc.</i> (Bowser), astron. (Newcomb and Holden). Senior: Pract. astron. (Loomis), observatory work.



and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Themes in Eng. his. Sophomore: Forensics. Junior: Rhet. (Hill), Eng. lit. (Taine). Senior: Forensics. <i>Eng. lit., Anglo-Saxon and early English, Amer. lit., life and growth of language</i> (Whitney).	Sophomore: French—Gram., selections from contemporary French authors, <i>reading of modern authors</i> ; German—Gram. and reader. Junior: French— <i>Reading of classic authors</i> ; German—Poetry, <i>historical prose</i> . Senior: French— <i>Hist. of Fr. lit.</i> ; German— <i>Drama</i> .	Junior: Logic, nat. theology. Senior: Anthropology, psychology, hist. of ancient phil., ethics, evidences of Christianity, aesthetics, <i>hist. of modern phil., systematic phil.</i> (optional).	56
Same as in A. B. course.....	Freshman: French—Same as in Sophomore in A. B. course.	Same as in A. B. course.	
First year: Themes, discussions. Second year: Elocution, themes, discussions. Third year: Rhet. (Haven), discussions, themes, lectures. Fourth year: <i>Welsh's Eng. Lit.</i> , lectures, orations, theses, elocution.	First year: French—Keetel's Gram. Second year: French—Gram., La France, comp., La Littérature Française Contemporaine; German—Gram., Collar's Eysenbach, Neue Anekdoten. Third year: French—Bercy's Variétés Historiques et Littéraires, Lacombe's Histoire des Peuple Française, comp., Fr. lit., Figuier's Les Grandes Inventions. German—Gram., Drama, reader, scientific German. Fourth year: German—Wilhelm Tell, scientific works, comp., Ger. lit.	Second year: Evidences of Christianity (Hopkins).	
Second year: Eng. lit. (Shaw), rhet. (Hill), themes. Third year: Rhet., themes. Fourth year: <i>Eng. lit., Amer. lit.</i>	Third year: French.....		59
Same as in B. S. in Agr. and Chem.	Same as in B. S. in Agr. and Chem.		
Freshman: Rhet. (Kellogg), lectures, essays, hist. of Eng. lang. (Lounsbury), study of words (Trench), Eng. lit., comp., elocution. Junior: Eng. lit., <i>Anglo-Saxon</i> (Sweet), <i>Shakespeare</i> , Milton.	Junior: German, <i>French</i> . Senior: <i>German, French</i> .	Junior: Mental philosophy (Porter), logic (Jevons-Hill), <i>metaphysics</i> . Senior: Moral phil. (Calderwood), evidences of Christianity, pract. ethics.	60

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
60	Rutgers College, New Brunswick, N. J.—Continued.	B. S. in Civ. Eng. and Mech.	.....	Freshman: Alg. (Wells), geom., trig., sur. (Murray). Sophomore: Descrip. geom. (Church), analyt. geom. Junior: Dif. and integ. calc., astron. Senior: Mechanics and hydromechanics (Bowser).
		B. S. in Agr. and Chem.	.....	Freshman: Same as in B. S. course in Civil Eng. and Mech. Junior: Astron.
61	College of New Jersey, Princeton, N. J.	A. B. ....	Freshman: Latin—Livy, Rom. hist. (Leighton), comp., Cic., Horace; Greek—Homer, Herod., Thucyd., Xen., gram., comp., hist. Sophomore: Latin—Cic., Rom. hist., Terence, Tac., Horace, Catullus; Greek—Demos., rhet. of Aristotle, comp., Eurip., Xen., Lucian, laws of phonetic change. Junior: Latin—Juvenal, Suetonius, Pliny, hist. of the Empire, Cic., Plautus; Greek—Aristophanes, comedy Plato, Lucrctius, Institutes of Justinian, philology. Greek—Soph., Aristotle, Plato, lit. and philology, Sanskrit, Perry's Primer.	Freshman: Alg. (Wells), geom. (Todhunter), trig. (Loomis). Sophomore: Analyt. trig., mens., nav., sur., sph. trig., analyt. geom., dif. calc. Junior: <i>Analyt. geom., dif. and integ. calc.</i> Senior: Astron. (Young), <i>pract. astron.</i>
		B. S. in Gen. Sci.	.....	Freshman: Alg., geom. (Chauvenet), mens., trig. Sophomore: Descrip. geom., analyt. geom., sur. Junior: Dif. and integ. calc., analyt. mech. Senior: Gen. astron., <i>pract. astron., stereotomy.</i>
		B. S. in Chem. and Mineralogy.	.....	Freshman and Sophomore: Same as in B. S. in Gen. Science. Junior: Dif. and integ. calc. Senior: Gen. astron.
		B. S. in Biol. and Chem.	.....	Same as in B. S. in Chem. and Mineralogy.
		B. S. in Biol. and Geol.	.....	Same as in B. S. in Chem. and Mineralogy.
62	Madison University, Hamilton, N. Y.	A. B. ....	Freshman: Latin—Livy, Tac., comp.; Greek—Homer, Xen. or Plato, Demos., New Testament. Sophomore: Latin—Horace, minor poets, Horace, Juvenal, Persius, Plautus, Terence; Greek—Tragedies, Aristophanes or Lucian. Junior: Latin—Horace, Cic., Pliny; Greek—Plato, Aristotle or Plutarch. Senior: Greek—I Plato.	Freshman: Geom., alg., trig., sur. (Wentworth). Sophomore: Sph. trig., analyt. geom., calc. Junior: <i>Descrip. geom., analyt. geom., calc., quaternions or determinants.</i> Senior: <i>Appl'd mech., astron.</i>
		Greek Scientific.	Greek: Freshman—Same as in A. B. course; Sophomore—Tragedies, Aristophanes or Lucian; Junior and Senior—Same as in A. B. course.	Freshman: Same as in A. B. course. Sophomore: Sph. trig., analyt. geom., calc. Junior and Senior: Same as in A. B. course.
		Latin Scientific.	Latin: Freshman—Same as in A. B. course; Sophomore—Horace, minor poets, Juvenal, Persius, Plautus, Terence; Junior—Same as in A. B. course.	Same as in Greek Scientific course.

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Same as in A. B. course. Sophomore: Eng. lit.	Freshman: French—Gram. and reader (Keetel), classic authors. Junior: German—gram. (Whitney), Wackernagel's <i>Deutsches Lesbuch</i> , classic authors, Ger. lit.	Junior: Mental phil., logic. Senior: Moral phil., pract. ethics.	60
Same as in B. S. course in Civil Eng. and Mech.	Same as in B. S. course in Civil Eng. and Mech.	Same as in B. S. course in Civil Eng. and Mech.	61
Freshman: El. discourse (Hunt), Hist. of Eng. lang. (Lounsbury), study of words (Trench), essays, oratory. Sophomore: Hunt's Discourse Marsh's Origin and Hist. of the Eng. Lang., style; Junior: Chaucer, lectures, essays, <i>Anglo-Saxon</i> (March or Sweet), Bèowulf (Harrison). Senior: Essays, oratory, <i>Shakespeare</i> .	Freshman: French—Gram. (Whitney), translation. Sophomore: French—Gram. prose of 19th century, syntax, George Sand, Lamartine, Corneille, Racine, Molière. Junior: German—Gram., reader, translation from Eng. into German, comp., Goethe; French—Syntax, Racine, Corneille. Senior: German—Lessing, Schiller, gram., Goethe, hist. and lit. of Ger. lang.	Junior: Psychology (McCosh), logic (McCosh), <i>philosophy of history</i> . Senior: Moral science (Calderwood), <i>metaphysics</i> , <i>physiological psychology</i> , <i>archæology</i> , <i>hist. of phil.</i>	
Freshman and sophomore: Same as in A. B. course. Junior: Chaucer, lectures, oratory.	Freshman: German—Huss' System of Oral Instruction. French—Delille's Condensed Instruction. Sophomore: German—Syntax. French—Syntax, exercises. Junior: German—Lessing, Schiller, Goethe. French—Racine, Molière, Corneille. Senior: German—Goethe. French—Victor Hugo, scientific prose.	Junior: Psychology. Senior: <i>Archæology</i> , <i>physiological psychology</i> .	
Same as in B. S. in Gen. Science.	Same as in B. S. in Gen. Science.	Junior: Psychology.	
Same as in B. S. in Gen. Science.	Same as in B. S. in Gen. Science.	Junior: Psychology. Senior: Physiological psychology.	
Same as in B. S. in Gen. Science.	Same as in B. S. in Gen. Science.	Same as in B. S. in Biol. and Chem.	
Freshman: Rhet. (Genung), oratory. Sophomore: English prose (Minto), oratory, Eng. fiction. Junior: Oratory, <i>Anglo-Saxon</i> , <i>English of 13th and 14th century</i> . Senior: Oratory, <i>Shakespeare</i> , <i>Wordsworth</i> , <i>Browning</i> .	Sophomore: French—Gram. (Otto), <i>Télémaque</i> (Fénélon), Corneille, Molière or Racine. Junior: German—Gram. and reader (Whitney), <i>Schiller</i> , <i>Lessing</i> , <i>Goethe</i> ; French— <i>Lit. of 18th century</i> . Senior: German— <i>Schiller</i> , <i>Goethe</i> ; French— <i>Modern plays</i> .	Junior: Formal and appl'd logic. Senior: Psychology, hist. of phil., evidences of Christianity, Christian ethics.	62
Same as in A. B. course.....	Same as in A. B. course.....	Same as in A. B. course.	
Same as in A. B. course.....	Freshman: German—Same as in Junior in A. B. course. Sophomore and Senior: Same as in A. B. course.	Junior: <i>Logic</i> . Senior: Same as in A. B. course.	



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
62	Madison University, Hamilton, N. Y.—Continued.	Eng. Scientific.	-----	Freshman and Sophomore: Same as in A. B. course. Junior: Descrip. geom., <i>analyt. geom.</i> , <i>calc.</i> , <i>quaternions</i> or <i>determinants</i> . Senior: <i>Applied mech.</i> , <i>astron.</i>
63	Cornell University, Ithaca, N. Y.	-----	Greek—Gram., Xen., Lysias, Herod., Homer, comp., Demos., Plato, Soph., Eurip., Aristophanes, hist. of Greek lit., drama, Eschylus, Thucyd., Isocrates, Eschines against Ctesiphon, hist. of Greek phil., Aristotle, antiquities, philological seminary; Latin—Nepos, Cic., Livy, comp., Tac., Terence, Horace, hist. of Rome, hist. of Rom. lit., Plautus, Lucretius, Catullus, Pliny, Juvenal, Persius, hist. of the Romans (Merivale), Allen's remnants of early Latin, Greek and Roman art, Latin syntax.	Geom., alg., trig., conic sections, <i>analyt. geom.</i> , <i>descrip. geom.</i> , <i>diff.</i> and <i>integ. calc.</i> , <i>descrip.</i> and <i>phys. astron.</i> , teaching of math., math. essays and theses, <i>quantics</i> , <i>diff. equations</i> , theory of functions, <i>celestial mech.</i> , <i>finite differences</i> , <i>rational dynamics</i> , <i>molecular dynamics</i> , <i>vector analysis</i> , theory of probabilities and of distribution of errors, <i>math. optics</i> , <i>math. theory of sound</i> , <i>elec.</i> and <i>magnetism</i> .
64	College of the City of New York, New York, N. Y.	A. B. ....	First year: Latin—Gram., Leighton's lessons. Second year: Latin—Sallust, gram., comp., Cic.; Greek—Gram., White's first lessons, Xen. Third year: Latin—Virgil, gram., comp., Livy; Greek—Gram., comp., Xen., Plato. Fourth year: Latin—Horace, Tac., gram., comp., Cic.; Greek—Gram., comp., Demos., Homer. Fifth year: Latin—Rom. lit. (Crutwell), gram., prose, Plautus, Cic., Juvenal; Greek—Eschylus, Soph. or Eurip., Herod., Thucyd., Greek lit. (Jevons); gram., Aristophanes.	First year: Geom. (Davies' Legendre), alg. (Wentworth). Second year: Alg. (Loomis), geom., <i>descrip. geom.</i> , <i>plane trig.</i> and <i>mens.</i> (Docharty, Crompton, Loomis). Third year: <i>Sph. trig.</i> , <i>sur.</i> , <i>nav.</i> , <i>analyt. geom.</i> Fourth year: <i>Calc.</i>
		B. S. ....	Fifth year: Latin—Gram., <i>Cæsar</i> , <i>Sallust</i> , <i>Leighton's lessons</i> , Cic., <i>Virgil</i> (elective with Spanish or German).	First, second, and third years: Same as in A. B. course. Fourth year: <i>Diff.</i> and <i>integ. calc.</i> Fifth year: <i>Mechanics</i> and <i>astron.</i> (Bartlett).
65	Columbia College, New York, N. Y.	A. B. ....	Freshman: Latin—Horace, Cic., comp., syntax, prosody; Greek—Homer, Herod., comp., prosody, Greek scanning; Sophomore: Latin—Horace, prosody, Livy, comp.; Greek—Eurip., comp., Xen. or Thucyd. Junior: Latin—Juvenal, comp., Cic., etymology; Greek—Soph., Theocritus or Theognis, Lysias or Isocrates, or Plato, or Hesiod, or Theogony.	Freshman: Geom. (Davies' Legendre), alg. Sophomore: <i>plane, analyt.</i> , and <i>sph. trig.</i> , <i>mens.</i> , <i>sur.</i> Junior: <i>Analyt. geom.</i> Senior: <i>Diff. calc.</i> (Peck), <i>astron.</i> (Peck), <i>pract. astron.</i> (Chauvenet), <i>nav.</i> , <i>integ. calc.</i> (Peck).

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Same as in A. B. course.....	Same as in Latin Scientific course.	Same as Latin Scientific course.	62
Rhet., comp., Eng. lit. from 14th cent. to present time, Minto's characteristics of Eng. poets and manual of Eng. prose lit., Eng. poetry, journalism, historical development of Eng. style, elocution (Mandeville), oratory, seminary in Eng. lit., Anglo-Saxon gram. and reading, lectures on Eng. lit.	German—Gram., Schiller, Lessing, Goethe, comp., hist. of German lit., mythology and life, drama and novel of the 19th century, Vicar of Wakefield, historical reading in German, lit. of the 16th century, middle high Ger.; French—Gram. (Whitney), tableaux de la révolution française, Luquien's French prose of popular science, Corneille, Roman-tisme française, drama of the romantic school, Dumas, Hugo, Copée, historical reading in French, Fr. philology; Italian—Gram. and reading; Spanish—Gram. and reading.	Psychology, logic, physiological psychology, hist. of phil., metaphysics, ethics, phil. of Kant, post-Kantian Ger. phil., the phil. and hist. of religion, pedagogics.	63
First year: Gram. (Brown), poetical selections, Abbott's How to Write Clearly. Second year: Synonyms (Graham), comp. Third year: Eng. lang. and lit. (Shaw), rhet. (Bain), comp., elocution. Fourth year: Eng. lang. and lit., poetry, elocution. Fifth year: Elocution.	Fifth year: French or German, or Spanish.	Third year: Logic (Jevons). Fifth year: Psychology (Janet), Porter's intellectual science, pedagogics, hist. of phil., ethics (Elmendorf, Janet, Ueberweg).	64
Same as in A. B. course.....	First year: French—Vannier, gram. (Robertson), Roemer's Cours de Lecture. Second year: French—Roemer's Cours de Lecture, gram., reader; German—Eysenbach's gram. or Spanish, Ollendorff, Morales' reader, Butler's Phrases; Iriarte's Fables. Third year: French—Roemer's Cours de Lecture, gram., Sadler's Versions, French Idioms, Ger. gram., reader (Whitney) or Spanish Fables, Ollendorff, Polyglot Readers. Fourth year: German—Gram., reader (Pütz), or Spanish Moratin, Don Quixote, Polyglot Reader (Roemer), Morales' Reader. Fifth year: German—Gram., reader, or Spanish gram., phrases, fables, reader (elective with Latin).	Same as in A. B. course.	
Freshman: Gram. and analysis, poets and prose writers of present time, rhet., comp., hist of Eng. lit., Addison, Thackeray. Sophomore: Historical Eng. gram., hist. of Eng. lang., poetry of Shakespeare, rhet., comp., hist. of Eng. lit. Junior: Anglo-Saxon gram., hist. of lit., prose of Bacon, poetry of Milton and Spenser, rhet., comp.	Freshman and Sophomore: One modern language. Junior and Senior: Elective.	Junior: Logic (Jevons), psychology (Murray). Senior: Psychology, hist. of phil., philosophical essays.	65

TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
65	Columbia College, New York, N. Y. —Continued.		Senior: Latin—Plautus, Archaic Latin, comparative philology. Cic., Latin lit.; Greek—Æschylus or Pindar, Æschines or Demos., or Aristotle, or Plato, hist. of Greek lit., comparative philology, <i>Sanskrit</i> .	
		Min. Eng.	.....	First year: Trig. and mens. (Davies' Legendre), conic sections (Peck), alg. (Peck), graphical alg. (Phillips and Beebe), descrip. geom. (Church). Second year: Analyt. geom. (Peck), dif. and integ. calc. (Peck), sur. Fourth year: Sur.
		Civ. Eng.	.....	First and second years: Same as in Min. Eng. Third year: Pract. astron., geodesy. Fourth year: Sur.
		Metallurgy	.....	First, second, and third years: Same as in Min. Eng.
		Geology and Paleontology.	.....	First year: Same as in Min. Eng. Second year: Sur. Fourth year: Sur.
		Chemistry	.....	First year: Same as in Min. Eng.
		Architecture.	.....	First year: Same as in Min. Eng. Second year: Graphical geom., descrip. geom.
		Sanitary Eng.	.....	Same as in course in metallurgy.
66	University of the City of New York, New York, N. Y.	A. B. ....	Freshman: Latin—Ovid, Horace, Cic., comp.; Greek—Herod., Homer, Xen., Plato, comp. Sophomore: Latin—Horace, Cic., Tac., Terence, Juvenal, Persius; Greek—Demos., Greek archaeology, Eurip., Isocrates, Greek lit. Junior: Latin—Lucretius, Plautus; Greek—Sophocles, Plutarch. Senior: Latin—Catullus, elegiac poets, Cic.; Greek—Plato, New Testament, Greek lit.	Freshman: Alg. (Wells), solid geom. (Byerly's Chauvenet), plane trig. (Oliver, Wait, and Jones). Sophomore: Sph. trig., conic sections (Smith). Senior: Astron.
		B. S. ....	.....	Freshman: Same as in A. B. course. Sophomore: Sph. trig., conic sections. Junior: Dif. and integ. calc. (Peck). Senior: Astron.
67	Vassar College, Poughkeepsie, N. Y.	A. B. ....	Freshman: Latin—Livy, comp., Horace; Greek—Lysias, Herod., comp., Homer, Homeric antiquities, Xen. Sophomore: Latin—Cic., Horace, comp.; Greek—Demos., Attic orators, Plato, Aristophanes, Xen., comp. Junior: Latin—Tac., Plautus or Terence, Juvenal, hist. of Roman comedy and satire; Greek—Thucyd., hist. of Greek prose, Sophocles, Æschylus, drama, Eurip., Isocrates or gram., Xen., Homer. Senior: Latin—Cic., Rom. lit., Lucretius, comp.; Greek—Lyric poets, Pindar, poetry, Sophocles, Plato, Aristotle.	Freshman: Geom. (Chanvet), alg., trig. Sophomore: Trig., sur., nav., analyt. geom., hist. of math., popular astron. Junior: Astron. (Godfray), dif. and integ. calc. Senior: Sph. astron., pract. astron., dif. equations and elements of finite differences, quaternions.



and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
<p>Senior: Anglo-Saxon Reader, historical gram. of Anglo-Saxon and Eng. languages, language and poetry of Chaucer, rhet., comp., <i>comparative literature</i>.</p>			65
<p>Freshman: Eng. lit. (Minto). Sophomore: Morley's English Writers, Stopford Brooke's Primer, rhet., style, <i>Eng. lit., poetry</i>. Senior: Old English, gram., and lit., Shakspeare.</p>	<p>Junior: German—Otto's method, translations into Ger. Senior: French—Langue'llier's method and translations into French (elective with Latin and Greek).</p>	<p>Junior: Porter's Elements, pure and applied logic (Thomson). Senior: Theoretical and applied ethics (Calderwood), natural theology.</p>	66
<p>Freshman: Eng. lit. Sophomore: Morley's English Writers, Stopford Brooke's Primer, rhet., style. Junior: Edmund Burke. Senior: <i>Old English, gram., and lit., Shakspeare</i>.</p>	<p>Freshman: French—Langue'llier's method, translations. Sophomore: German—Same as in Junior in A. B. course; French—Translations, Contes Contemporains. Junior: German—<i>Play and novelette</i>.</p>	<p>Same as in A. B. course.</p>	
<p>Freshman: Rhet., Eng. lit., elocution. Sophomore: Rhet., Eng. lit., <i>elocution</i>. Junior: <i>Rhet., Chaucer, elocution</i>. Senior: Anglo-Saxon Reader (Sweet), <i>English philology, Shakspeare, elocution</i>.</p>	<p>Freshman: German—Schiller, comp., poems (Simonson's Deutsches Balladen-Buch); French—Syntax, prose, comp., Mariette, Demogeot, Crane. Sophomore: German—Lessing, Goethe, hist. of Ger. lit., comp.; French—Demogeot, classical drama. Junior: German—<i>Goethe, Ger. lit., Heine or Fischer Ahn, Henn-Ahn, Grimm, Benedix, Zschokke, Hillern, Storm</i>; French—<i>Fr. lit. of 14th and 19th centuries by Paul Albert or Paul Bercy, Hennequin</i>. Senior: German—<i>Essays, Goethe</i>; French—<i>Crane and Brun, Aubertin, essays</i>.</p>	<p>Senior; Psychology (Murray), hist. of phil., moral phil. (Robinson.)</p>	67

TABLE 23.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
68	University of Rochester, Rochester, N. Y.	A. B. ....	Freshman: Latin—Livy, syntax, comp., Rom. hist. (Leighton), Terence, Plautus or Cic., etymology; Greek—Lysias, Attic law, syntax, comp., historians, Greek hist., ethnology, mythology, and politics, lyric poets, etymology. Sophomore: Latin—Horace, hist. of Rom. Empire, Latin lit., Tac. or Pliny, Juvenal, Rom. archæology; Greek—Demos., Greek hist. and lit. Junior: Latin— <i>Seneca, Rom. philosophy</i> ; Greek— <i>Plato, hist. of Greek lit.</i>	Freshman: Alg. (Wells), geom. (Wentworth), trig. (Wentworth). Sophomore: Sur. and nav. (Wentworth), analyt. geom. (Bowser), calc. (Taylor). Junior: Astron. (Loomis).
		B. S. ....	Latin—Same as in A. B. course.	Freshman: Same as in A. B. course. Sophomore: Sur., nav., analyt. geom., calc., loci in space and higher plane curves. Junior: Astron.
69	Union University, Schenectady, N. Y.	A. B. ....	Freshman: Latin—Livy, Cic., comp.; Greek—Xen., Homer, Herod., or Eurip., comp. Sophomore: Latin—Horace, Tac., Terence, comp. Greek—Eurip. or Æschylus, Eurip., Soph. or Plato, comp. Junior and Senior: <i>Greek, Latin.</i>	Freshman: Alg., geom., trig., analyt. geom. Sophomore: Analyt. geom. Senior: Astron., <i>higher math.</i>
		B. S. ....	Junior and Senior: Same as in A. B. course.	Freshman: Same as in A. B. course. Sophomore: Analyt. geom., calc. Senior: Same as in A. B. course.
		C. E. ....		Freshman: Same as in A. B. course and sur. Sophomore: Same as in B. S. course and descrip. geom. and sur. Junior: Advanced calc., appl'd mech. Senior: Astron.
70	Syracuse University, Syracuse, N. Y.	A. B. ....	Freshman: Latin—Cic., comp., Rom. hist. (Mervale), Livy, Juvenal; Greek—Homer, Gram., Demos., comp. (Arnold). Sophomore: Latin—Horace, Rom. hist., comp., prosody; Greek—Plato, comp., moods and tenses (Goodwin), tragedy. Junior: Latin—Cic., Tac., Lucretius, Quintilian, Horace, Plautus, Terence, Catullus, Propertius, Latin lit; Greek— <i>Comedy.</i> Senior: <i>Greek lit., Roman lit., Greek tragedy.</i>	Freshman: Alg. and geom. (Wentworth). Sophomore: Trig. (Wentworth), analyt. geom. (Bowser), calc. (Bowser), <i>sur.</i> Junior: Astron.
		Ph. B. ....	Latin—Same as in A. B. course.	Freshman and Sophomore: Same as in A. B. course. Junior: Calc., astron.
		B. S. ....		Freshman: Same as in A. B. course. Sophomore: Trig., analyt. geom., calc., sur. Junior: Calc., astron.
		C. E. ....		Freshman and Sophomore: Same as in A. B. course. Junior: Calc., astron., descrip. geom., geodesy.
71	Rensselaer Polytechnic Institute, Troy, N. Y.	C. E. ....		First year: Alg. (Wells), geom. (Wentworth), trig. (Wood), descrip. geom. (Warren), geodesy (Gillespie). Second year: Higher alg., analyt. geom., descrip. geom., geodesy. Third year: Dif. and integ. Calc., descrip. astron., geodesy. Fourth year: Sph. and pract. astron., geodesy.

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: Elocution, Eng. lang. and its early lit. (Gilmore). Sophomore: Chaucer, comp., lect. on Eng. lit., Milton. Junior: Eng. lit., rhet. (Gilmore), comp., oratory, comp. philology. Senior: Oratory.	Sophomore: French—Gram. (Keetel), la littérature française classique, Manual of French Poetry (Mixer), drama; German—Gram. and reader, drama. Junior: German— <i>Rosenstengel's Reader of Ger. Lit.</i> , drama, lectures on Fr. and Ger. lit.	Junior: Outlines of Logic (Gilmore). Senior: Intellectual phil., psychology, moral phil., hist. of phil. (Schwegler).	68
Freshman: Elocution, Eng. lang. and its early lit., art of expression (Gilmore). Sophomore, Junior, and Senior: Same as in A. B. course.	Same as in A. B. course and Sophomore advanced French and Junior advanced German.	Same as in A. B. course.	
Freshman: Study of words, Past and Present (Trench), rhet. (Bain), comp. Sophomore: Chaucer and the early poets, Shakspeare and the dramatists, prose writers, comp., oratory. Senior: Comp., oratory, <i>philology, Anglo-Saxon</i> .	Sophomore: French. Junior: German—Gram., reader, tragedy. Senior: Elective.	Junior: Logic (Jevons). Senior: Psychology (Baldwin), ethics (Hickok), hist. of phil. (Schwegler).	69
Freshman and Sophomore: Same as in A. B. course. Junior: Same as in A. B. course, and style. Senior: Same as in A. B. course.	Freshman: French—Gram., reader. Sophomore: French—Fr. lit.; German—Gram., lit. Junior: German—Tragedy. Senior: Same as in A. B. course.	Same as in A. B. course.	
Freshman and Sophomore: Same as in A. B. course. Junior and Senior: Comp., oratory.	Freshman: Same as in A. B. course. Sophomore: Fr. lit. Junior: Ger. gram. and lit. Senior: German.		
Freshman: Welch's Eng. Lit. and Lang. vol. 1, elocution, criticism. Sophomore: Eng. critic sm, elocution. Junior: Elocution, <i>Anglo-Saxon, comp., philology</i> . Senior: Eng. lit., rhet.	Sophomore: German. Junior: French, <i>German</i> . Senior: <i>French lit. or Italian, Ger. lit., Italian renaissance</i> .	Junior: Logic (Bowen), psychology (Porter). Senior: Moral phil. (Calderwood), hist. of phil. (Mahan), evidences of Christianity (Hopkins), <i>ethics</i> .	70
Same as in A. B. course .....	Freshman and Sophomore: German. Junior: French. Senior: Same as in A. B. course.	Same as in A. B. course.	
Same as in A. B. course .....	Freshman and Sophomore: German. Junior: French, <i>Ger. lit.</i> Senior: <i>French lit. or Italian, Italian renaissance</i> .	Same as in A. B. course.	
Freshman and Sophomore: Same as in A. B. course. Junior: <i>Elocution, Anglo-Saxon</i> . Senior: Same as in A. B. course.	Same as in B. S. course .....	Junior: <i>Logic, psychology</i> . Senior: <i>Moral phil., hist. of phil., evidences of Christianity, ethics</i> .	71
First year: Hart's Eng. Comp. and Rhet. Second year: Comp., el. of criticism.	First year: Fasquelle's French gram. Second year: French gram. and translation.		



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
71	Rensselaer Polytechnic Institute, Troy, N. Y.—Continued.	B. S. ....	.....	First and second years: Same as in C. E. course. Third year: Calc., descrip. astronomy.
72	University of North Carolina, Chapel Hill, N. C.	A. B. ....	Freshman: Latin—Cic., Livy, comp., gram., Rom. hist., geog., and antiquities; Greek—Lucian, gram., comp., Homer, Herod. or Plutarch, hist. of Greece. Sophomore: Latin—Horace, Tac., Terence, comp., gram., Rom. antiquities, law, lit., comp., philology; Greek—Demos., Thucyd., Eurip. or Sophocles, Aristophanes, comp., Greek hist., lit. and antiquities. Junior and Senior: Latin—Pliny, Juvenal, comp., Cic., Ovid, Sallust, Virgil; Greek—Plato, Plutarch, Pindar, Eschylus, Homer, Modern Greek.	First year: Alg., geom. (Wentworth or Chauvenet). Second year: Trig. (Newcomb), analyt. geom. (Smith's Conic Sections). Third and fourth years: <i>Solid geom.</i> (Smith), <i>dif. and integ. calc.</i> (Williamson), <i>sur. astron.</i>
		Ph. B. ....	Latin or Greek—Same as in A. B. course.	Same as in A. B. course and Fourth year Astron. ....
		B. S. ....	Freshman and Sophomore; <i>Latin.</i>	Same as in Ph. B. course. ....
73	Trinity College, Trinity College, N. C.	A. B. ....	Freshman: Latin—Cic., Livy; Greek—Xen., Herod. Sophomore: Latin—Horace, Terence; Greek—Homer, Sophocles.	Freshman: Alg., geom. (Wentworth). Sophomore: Trig. and analyt. geom. (Wentworth). Senior: Astron. (Newcomb and Holden). Junior and Senior: Elective.
		B. S. ....	.....	Freshman and Sophomore; Same as in A. B. course. Junior: Calc. (Bowers). Senior: Astron., math. astron. (Loomis), applied mech. (Cottrill or Burr).
		Ph. B. ....	Latin or Greek—As in A. B. course.	Same as in A. B. course. ....
		B. S. ....	Same as in Ph. B. course. ....	Same as in A. B. course. ....
74	Ohio State University, Columbus, Ohio.	A. B. ....	Freshman: Latin—Livy, comp., Horace, Cic.; Greek—Gram., White's First Lessons, Xen. Sophomore: Latin—Pliny, Tac., Juvenal and Persius; Greek—Xen., comp., Herod., Homer; Greek lit. Junior: Latin—Cic., Tibullus, Propertius, Lat. lit.; Greek—Thucyd., Plato, Demos.; Greek lit. Senior: <i>Latin</i> : Greek—Homer, Pindar, Oedipus Tyrannus, Greek etymology, <i>lect. on Greek art.</i>	Freshman: <i>Alg.</i> (Wentworth's), <i>Analyt. geom.</i> (Bowser).
		Ph. B. ....	Latin—Same as in A. B. course.	Same as in A. B. course. ....
		B. S. ....	.....	Freshman: Trig. (Wells), alg., analyt. geom. Sophomore: <i>Analyt. geom., calc.</i> Junior: <i>Higher math.</i> Senior: Astron. (Newcomb and Holden).

and universities.—PART I—Continued.

italics are elective.

English.	Modern languages.	Philosophy.	
Same as in C. E. course.....	First and second years: Same as in C. E. course. Third year: French. Fourth year: French or German.		71
First year: Gram. (Bain), rhet. (Genung), 19th cent. lit., Milton's Scott's poems, Byron, Scott, Shakspeare. Second year: Historical grammar (Morris), the Eng. of Shakspeare, 18th cent. lit. Third year: Art of poetics (Gummere), longer Eng. poems (Hale), Shakspeare. Fourth year: Eng. lit., orations, essays, <i>Anglo-Saxon</i> .	Third and fourth years: Elective.	Third year: Logic (Tigert), psychology (Janet). Fourth year: Psychology, moral phil. (Porter), Christian evidences (Wright), <i>hist. of phil.</i> (Haven), <i>Natural theology</i> (Valentine).	72
Same as in A. B. course .....	First and second years: French or German. Third and fourth years: Elective.	Same as in A. B. course.	
First, second, and third years: Same as in A. B. course. Fourth year: <i>Eng. lit., essays, orations</i> .	First and second years: <i>French or German</i> (elective with Latin). Third and fourth years: <i>French, German</i> .	Third and fourth years: <i>Psychology, moral phil., logic</i> .	
Freshman: Anal., Eng. lit. Sophomore: Rhet. (Genung).		Junior: Psychology (Dewey), ethics (Porter). Senior: Logic (Jevons), <i>hist. of phil.</i> (Schwegler), theism (Fisher).	73
Same as in A. B. course .....	Freshman and Sophomore: French. Junior and Senior: German.	Same as in A. B. course.	
Same as in A. B. course .....	Freshman and Sophomore: French. Junior and Senior: German.	Same as in A. B. course.	
Freshman and Sophomore: Same as in A. B. course. Junior: Old Eng. Gram. and reader, lit., essays. Senior: Middle Eng., <i>hist. of Eng. Lang., lit., essays</i> .	Same as in B. S. course.....	Same as in A. B. course.	
Freshman: Rhet. (Welsh). Sophomore: Anglo-Saxon gram. and reader (March), rhetorical, development of English lang. and lit. (Welsh). Junior: Rhetoricals, <i>Welsh's masterpieces of Eng. lit.</i>	Sophomore: German — <i>Gram.</i> (Brandt). Junior and Senior: <i>German, French</i> .	Junior: Psychology (Sully), ethics. Senior: Logic, <i>hist. of phil., lectures on recent phil.</i>	74
Same as in A. B. course.....	Freshman: French — Gram., classics (Mason). Sophomore: French—Comp., drama, modern French prose, Fr. lit.; German— <i>Gram.</i> Junior and Senior: <i>German, French</i> .	Same as in A. B. course.	
Freshman: Rhet. Sophomore: <i>Development of Eng. lang. and lit.</i> Junior: Rhetoricals.	Freshman and Sophomore: French or German, <i>German</i> . Junior and Senior: <i>French, German</i> .	Junior: Same as in A. B. course. Senior: Elective.	

TABLE 28.—Courses of study in colleges

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
74	Ohio State University, Columbus, Ohio—Continued.	B. Agr.....	.....	Freshman: Alg. Sophomore: Alg., geom., trig.
		C. E.....	.....	Freshman: Same as in B. S. course. Sophomore: Analyt. geom., sur., calc., descrip. geom. Junior: Analyt. mechanics (Bowser), astron., geodesy, sur.
		M. E.....	.....	Freshman: Same as in B. S. course. Sophomore: Analyt. geom., calc., descrip. geom. Junior: Analyt. mech., astron., geodesy.
		E. M.....	.....	Freshman and Sophomore: Same as in M. E. course. Junior: Analyt. mech.
75	Ohio Wesleyan University, Delaware, Ohio.	A. B.....	Freshman: Latin— <i>Livy</i> , comp. (Arnold), <i>Horace</i> ; Greek— <i>Homer</i> , comp., Testament, <i>Xen.</i> Sophomore: Latin— <i>Cic.</i> , <i>Horace</i> , comp., <i>Latin poets</i> , comp., <i>Plautus</i> ; Greek— <i>Herod.</i> , comp., Testament, <i>Thucyd.</i> , comp., Testament, <i>Plato</i> . Junior: Latin— <i>Tac.</i> , <i>Cic.</i> , philosophical and rhetorical works, <i>Quintilian</i> ; Greek— <i>Demos.</i> , <i>New Testament</i> , Christian writers, <i>New Testament</i> ; <i>Drama</i> . Senior: Latin— <i>Pliny</i> ; Greek— <i>New Testament</i> .	Freshman: Alg. (Wentworth), alg. (Olney). Sophomore: Trig., gen. geom., mens., sur. Junior: <i>Sur.</i> Senior: Astron., dif. and integ. calc.
		B. S.....	Freshman: Latin— <i>Livy</i> , comp., <i>Horace</i> . Sophomore: <i>Cic.</i> , comp., <i>Horace</i> , <i>Plautus</i> . Junior: <i>Tac.</i> , <i>Quintilian</i> , <i>Cic.</i> , philosophical and rhetorical works.	Freshman: Same as in A. B. course. Sophomore: Trig., gen. geom., mens., sur. Senior: Astron., dif. and integ. calc.
		B. L.....	Freshman: Latin— <i>Cæsar</i> , prose comp., <i>Sallust</i> , <i>Greek</i> . Sophomore: Latin— <i>Virgil</i> , comp., <i>Cic.</i> ; Greek— <i>Xen.</i> , gram. Junior: Latin— <i>Livy</i> , comp., <i>Horace</i> ; Greek— <i>Homer</i> , gram., <i>New Testament</i> , <i>Xen.</i> , comp. Senior: Latin— <i>Cic.</i> , <i>Horace</i> , <i>Plautus</i> .	Freshman: Alg., bookkeeping. Sophomore: Geom. Junior: Trig., astron., gen. geom.
76	Marietta College, Marietta, Ohio.	A. B.....	Freshman: Latin— <i>Livy</i> , gram., Rom. hist., comp., <i>Nepos</i> , <i>Cic.</i> , Rom. antiquities, word formation, <i>Horace</i> , Latin synonyms, Rom. lit., written translations; Greek— <i>Lysias</i> , syntax, comp., hist., <i>Herod.</i> , <i>Grote</i> , <i>Homer</i> . Sophomore: Latin— <i>Plautus</i> , hist. of Rom. comedy, <i>Horace</i> ; Greek— <i>Thucyd.</i> , <i>Eurip.</i> , mythology, <i>Plato</i> or <i>Demos.</i> , hist. of Greek lit. Junibr: Latin— <i>Horace</i> , <i>Tac.</i> , <i>Pliny</i> , <i>Lucretius</i> or <i>Seneca</i> , <i>Quintilian</i> or <i>Cic.</i> ; Greek— <i>Eurip.</i> , <i>Soph.</i> , <i>Aristophanes</i> , <i>Plato</i> , lyric poets, archæology, <i>Demos.</i> Senior: Latin— <i>Tac.</i> or <i>Cic.</i> , <i>Lucretius</i> or <i>Latin hymns</i> , <i>Greek dramatic lit.</i> , <i>Plato</i> , hist. of Greek phil., <i>Pindar</i> , archæology.	Freshman: Geom. (Newcomb), alg. (Newcomb), trig. Sophomore: Sph. trig., mechanics, astron. (Young). Junior and Senior: <i>Determinants and theory of equations</i> , <i>analyt. geom.</i> and <i>calc.</i> , <i>dif. equations</i> .
		Ph. B.....	Latin—Same as in A. B. course.	Same as in A. B. course, and mens. (Halstead) in Sophomore.



and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Sophomore: Welsh's Essentials of English. Junior: Rhet.	Junior: French or German. Senior: <i>German, French.</i>	Senior: <i>Psychology, ethics...</i>	74
Freshman: Rhet. Sophomore: Rhetoricals. Junior: Rhetoricals.	Freshman and Sophomore: French.		
Same as in C. E. course.....	Same as in C. E. course.		
Same as in C. E. course.....	Freshman: French.		
Freshman: Gram. (Williams), Abbott's How to Write Clearly, study of noted speeches. Sophomore: Eng. prose (Minto), study of masterpieces. Junior: Rhet. Senior: Eng. lit., elocution.	Sophomore: German— <i>Gram., reading</i> ; French— <i>Gram., reading</i> ; Hebrew— <i>Gram., selections</i> . Junior: German— <i>Schiller, Lessing, Goethe</i> ; French— <i>Racine, reading, Victor Hugo</i> ; Hebrew— <i>Hist., books, poetical books, prophets.</i>	Junior: Mental phil., moral phil., nat. theology. Senior: Evidences of Christianity, Butler's Analogy, logic, hist. of phil.	75
Same as in A. B. course.....	German and French: Same as in A. B. course.	Same as in A. B. course.	
Freshman: <i>Eng., elocution</i> , study of noted speeches. Sophomore: Abbott's How to Write Clearly, study of noted speeches, <i>elocution</i> . Junior: Rhet., Eng. lang., Amer. lit., <i>elocution</i> . Senior: Eng. lit.	Freshman and Sophomore: <i>German, French</i> . Junior: German— <i>Schiller, Lessing, Goethe</i> . Senior: Elective.	Junior: Same as in A. B. course. Senior: Evidences of Christianity, <i>Butler's Analogy</i> , logic, hist. of phil.	
Freshman: Comp., elocution, Eng. lang. (Meiklejohn), Amer. prose lit. Sophomore: Applied rhet. (Minto), Eng. prose lit. of 19th cent., comp., elocution, Eng. lit. (Meiklejohn), Chaucer. Junior: Rhet. (Whately), Shakespeare, comp., orations, Eng. lit. (Taine), Milton, the Essay and the Novel, the Lake School. Senior: Rhet., orations, <i>philology</i> (Whitney).	Sophomore: German—Gram. (Whitney), Grimm's Märchen, die eis jungfrau (Andersen, Ger. prose, sight reading. Junior: French— <i>Gram., un philosophe sous les Toits</i> (Souvestre), <i>selections from the dramatists and novelists</i> . Senior: <i>Hebrew</i> (Harper).	Freshman: El. logic. Junior: Evidences of Christianity (Peabody). Senior: Psychology (Porter), moral phil., pedagogics.	76
Same as in A. B. course.....	Freshman: German—Goethe, Heine, Lessing, Storm, Schiller. Sophomore: Hist. of Ger. lang. Junior and Senior: Same as in A. B. course.	Same as in A. B. course.	

TABLE 28.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
77	Oberlin College, Oberlin, Ohio.	A. B. ....	Freshman: Latin—Livy, <i>Nepos. Rom. hist.</i> , Horace; Greek—Xen., comp., lyric poets. Eurip., Greek hist. and lit. Sophomore, Junior and Senior: <i>Latin, Greek.</i>	Freshman: Trig. (Wells), analyt. geom. (Hardy). Sophomore: Sur. (Bellows and Hodgman), <i>alg.</i> (Oliver, Wait, and Jones). Junior: <i>Calc.</i> (Taylor), astron. (Newcomb and Holden).
		Ph. B. ....	Latin—Freshman: Virgil, Cic. Sophomore: Livy, <i>Horace, Rom. hist.</i> Junior and Senior: Elective.	Freshman: Solid geom. (Wells), <i>alg.</i> , trig. Sophomore: <i>Conic sections and mechanics.</i> Junior: <i>Astron.</i>
78	Western University of Pennsylvania, Allegheny, Pa.	A. B. ....	Freshman: Latin—Livy, Cic., comp., Rom. antiquities; Greek—Herod., Homer, mythology. Sophomore: Latin—Horace, mythology; Greek—Lysias, hist., the Medea or the Prometheus, Greek drama. Junior: Latin—Terence, Tac., Juvenal, Lat. lit., ancient geog; Greek—Plato, the De Corona.	Freshman: Alg. (Bowser), trig., geom. (Wentworth). Sophomore: Sur., sph. trig., gen. geom., calc. Junior: Calc. Senior: Astron.
		Ph. B. ....	Freshman: Latin (elective with French).	Freshman and Sophomore: Same as in A. B. course. Junior: Calc., descrip. geom. Senior: Astron.
79	Pennsylvania Military Academy, Chester, Pa.	C. E. ....	Latin—First year: <i>Gram. and reader.</i> Second year: <i>Cæsar, Virgil.</i> Third year: <i>Sallust, Cic.</i>	First year: Alg. (Davies' Bourdon), geom. (Davies' Legendre). Second year: geom., trig. (Wells), analyt. geom. (Bowser), descrip. geom. Third year: Sur. (Gillespie - Staley), calc. (Bowser). Fourth year: Analyt. mech. (Peck), astron. (Loomis, Proctor), hydromechanics (Bowser).
		B. S. ....	Same as in C. E. course .....	First and second years: Same as in C. E. course. Third year: Calc. Fourth year: Analyt. mech., astron.
		Arch. ....	Same as in C. E. course .....	First, second, and third years: Same as in C. E. course. Fourth year: Astron.
		A. B. ....	First year: Latin—Livy, Horace, comp., Rom. hist.; Greek—Xen., Homer, comp., hist. Second year: Latin—Terence, Cic.; Greek—Homer, Herod., Testament. Third year: Latin—Tac., Juvenal, Cic.; Greek—Demos., Soph. Fourth year: Greek—Thucyd.	First year: Same as in C. E. course. Second year: Geom., trig., analyt. geom. Third and fourth years: Same as in B. S. course.
80	Lafayette College, Easton, Pa.	A. B. ....	Freshman: Latin—Livy, prose, Horace, Rom. antiquities, classical geog.; Greek—Xen., Herod., Greek antiquities, Homer, prose. Sophomore: Latin—Cic., Latin hymns (March); Greek—Homer, Testament, Plato, traged. Junior: Latin—Cic., Tac.; Greek—Demos., hist., Testament, Romans, Athenagoras. Senior: Latin— <i>Juvenal, Persius, Lactantius; Greek.</i>	Freshman: Alg. (Wells), geom. (Wentworth). Sophomore: Mens., trig., conic sections (Coffin), calc., sur., analyt. geom. Junior: Mechanics. Senior: Astron.

and universities.—PART I—Continued.

*italics are elective.*

English.	Modern languages.	Philosophy.	
Sophomore: Rhet. (Genung) <i>elocution</i> . Junior: Hist. of Eng. lit., Chaucer, Spenser, Shakespeare, Milton, 19th cent. authors. Senior: <i>Historical gram. of Eng. lang.</i>	Sophomore: French— <i>Gram.</i> (Whitney), <i>Madame Therese</i> , <i>La Morte</i> , <i>L'Avare</i> . Cinna, <i>Picciola</i> ; Hebrew— <i>Elements</i> (Harper), <i>historical Hebrew</i> . Junior: German— <i>Gram., prose, comp., 19th century Ger.</i> Senior: German—18th century <i>Ger., hist. of Ger. lit.</i>	Junior: Logic (Jevons), <i>Evidences of Christianity</i> (Peabody). Senior: Psychology (Porter), <i>modern phil.</i> (Bowen), <i>ethics</i> (Fairchild).	77
Same as in A. B. course .....	Freshman: French— <i>Gram., un Philosophe sous les toits</i> ; German— <i>Prose, comp., gram.</i> Sophomore: French— <i>Comp., Cinna, Athalie, le Misanthrope</i> ; German—19th cent. <i>Ger., comp., gram.</i> Junior: French— <i>Classic prose, drama and poetry</i> ; German—18th. cent. <i>Ger., hist. of Ger. lit.</i>	Same as in A. B. course.	
Freshman: Eng. lit., rhet. Sophomore: Rhet. exercises, Eng. lit. Junior: Rhet., Eng. lit. Senior: Eng. lit.	Sophomore: French or German.	Junior: Logic. Senior: <i>Evidences of Christianity, mental science</i> (Porter), <i>moral science</i> .	78
Same as in A. B. course .....	Freshman: French (elective with Latin). Sophomore and Junior: German.	Same as in A. B. course.	
First year: Comp., Eng. syntax. Second year: Rhet. (Hill), comp. Third year: Studies in Eng. lit. (Swin-ton), comp. Fourth year: Comp.	First, second, and third years: <i>French or German</i> (elective with Latin). <sub>1</sub>	.....	79
Same as in C. E. course.....	Same as in C. E. course.		
Same as in C. E. course.....	Same as in C. E. course.		
Same as in C. E. course. ....	.....	Third year: Logic (Jevons). Fourth year: <i>Mental phil.</i> (Haven), <i>moral phil.</i> (Haven), <i>science and religion</i> .	
Freshman: Comp., <i>elocution</i> . Sophomore: Study of words (Trench), Testament, rhet., comp., <i>elocution</i> . Junior: Milton, Anglo-Saxon (March); Shakespeare, comp., <i>elocution</i> . Senior: Rhet., Eng. lit., comp., <i>philology, comp., elocution</i> .	Sophomore: French. Junior: German, <i>Spanish or Italian</i> (optional). Senior: <i>French or German, Hebrew</i> .	Senior: <i>Mental phil.</i> (Haven), <i>logic, ethics, evidences of Christianity, Butler's Analogy</i> .	80



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
80	Lafayette College, Easton, Pa.—Continued.	Ph. B. ....	Latin—Same as in A. B. course.	Same as in A. B. course .....
		B. S. ....		Same as in A. B. course .....
		B. S. in Chem.		Freshman, Sophomore, and Junior: Same as in A. B. course.
		C. E. ....		Freshman: Alg. geom., sur., trig., mens. Sophomore: Analyt. geom., sur., dif. calc., descrip. geom. Junior: Mech., sur., descrip. geom., integ. calc., analyt. and applied mech. Senior: Astron.
		Min. Eng.		Freshman, Sophomore, and Junior: Same as in C. E. course.
		Elec. Eng.		Freshman, Sophomore, and Junior: Same as in C. E. course. Senior: Astron., least squares, dif. equations, calc. of variations.
81	Haverford College, Haverford College, Pa.	A. B. ....	Freshman: Latin—Livy, Horace, gram., Cic., comp.; Greek—Demos., Herod., Homer, prose comp. Sophomore: Latin—Tac., Latin poets, Cic., Nepos., comp. <sup>1</sup> Greek—Homer, Plato, Æschylus, Aristophanes, comp., Testament. Junior: Latin—Cic., Pliny, Virgil, Terence, extemporalia; Greek—Thucyd., Soph., Eurip., Testament. Senior: Latin—Plautus, Juvenal, Horace, Lucretius, comp., hist. of lit. of Greece and Rome; Greek—Demos., pastoral and lyric poets, comp., etymology.	Freshman: Geom. (Sharpless), alg. (Wells). Sophomore: Trig. (Wentworth), sur., analyt. geom. (Peck). Junior: Analyt. geom. and calc., descrip. astron., descrip. geom. Senior: Analyt. mech., astron. (Loomis), analyt. geom. and calc.
		B. S. ....	Freshman: Latin—Same as in A. B. course. Sophomore: Latin. Greek. Junior: Latin—Cic., Pliny, poetry, Greek gram., Xen., Testament, Homer. Senior: Greek, Latin.	Freshman: Geom., alg., trig. Sophomore: Trig., sur., analyt. geom. Junior: Dif. and integ. calc., descrip. astron. Senior: Analyt. mech., astron.
		Eng. ....	Freshman: Latin—Same as in A. B. course.	Freshman: Same as in B. S. course. Sophomore: Alg., analyt. geom., calc., sur. Junior: Analyt. mech., astron. Senior: Mech. of hydraulics, prac. astron.
82	Franklin and Marshall College, Lancaster, Pa.	A. B. ....	Freshman: Latin—Livy, prose comp., Horace; Greek—Herod., prose comp., Homer. Sophomore: Latin—Horace, Juvenal; Greek—Homer, Plato, Demos. Junior: Latin—Cic., Terence; Greek—Æschylus. Sophomore: Aristophanes. Senior: Latin—Tac.; Greek—Aristophanes, Theocritus.	Freshman: Alg. (Wells), geom. (Wentworth), plane trig. (Wells). Sophomore: Sph. trig. (Wells), analyt. geom. (Wentworth), sur., nav. Junior: Calc. (Taylor). Senior: Gen. astron. (Young), prac. astron.

<sup>1</sup>By those presenting Greek for admission.

*and universities.*—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: English (March), comp., elocution, Testament. Sophomore: Study of words, rhet., Bunyan, Spenser, Chaucer, comp., elocution. Junior: Bacon, Milton, Anglo-Saxon, Shakspeare, comp., elocution. Senior: Rhet., Eng. lit., comp. philology. Same as in Ph. B. course .....	Sophomore: French. Junior: German, German or French, <i>Spanish</i> or <i>Italian</i> (optional). Senior: Elective.  Freshman: Mod. languages. Sophomore: Mod. languages, Acts of the Apostles in Fr. Junior: Mod. languages, New Testament Epistles in Ger. Senior: Mod. languages. Freshman, Sophomore, and Junior: Same as in B.S. course.	Same as in A. B. course.....  Same as in A. B. course.  Senior: Evidences of Christianity, Butler's Analogy.	80
Freshman and Sophomore: Same as in A. B. course, Junior and Senior: Comp., elocution. Freshman: Comp., elocution. Sophomore: Study of words, comp., elocution. Junior and Senior: Comp., elocution.	Freshman and Sophomore: French, German.		
Same as in C. E. course .....	Same as in C. E. course.		
Same as in C. E. course. Sophomore: <i>Eng.</i>	Freshman: French, German. Sophomore: German, <i>French</i> .		
Freshman: Testament, rhet. (Hill), comp. Sophomore: Testament, hist. of Eng. lit., comp. Junior: Rhet., comp., elocution. Senior: Philology, comp., elocution, <i>Anglo-Saxon</i> , Bacon, Milton, <i>Shakspeare</i> , Chaucer, and lit. of 14th cent.	Freshman and Sophomore: French, <sup>2</sup> German. <sup>2</sup> Junior: German—Gram., Niebuler, Boisen; French—Charденal, translations; <i>Hebrew</i> . Senior: German— <i>Lyrics</i> , Storm, Chamisso, Schiller, Goethe, comp.; French— <i>Taine's Essays</i> , Racine, Molière or Corneille; <i>Hebrew</i> .	Sophomore: Dymond's <i>Essays</i> on morality. Junior: Logic (Whately and Hamilton), Psychology (Haven). Senior: Psychology, Butler's Analogy, Christian doctrines (Barclay or Gurney), <i>psychology</i> (Berkeley, Bowne).	81
Freshman, Sophomore, and Junior: Same as in A. B. course. Senior: Philology, comp., elocution, <i>Anglo-Saxon</i> .	Sophomore: French—Charденal, translations; German—Gram., Niebuler, Boisen. Junior: German— <i>Lyrics</i> , Storm, Chamisso, Schiller, Goethe, comp.; French— <i>Taine's Essays</i> , Racine, Molière or Corneille. Senior: <i>Hebrew</i> .	Same as in A. B. course.	
Freshman: Same as in A. B. course. Sophomore: Testament.	Sophomore and Junior: German, French.	Sophomore and Junior: Same as in A. B. course. Senior: Butler's Analogy.	
Freshman: Rhet., comp., elocution. Sophomore: Anglo-Saxon, comp., elocution. Junior: Lect. on Eng. lit., Chaucer, Spenser, Shakspeare, Amer. lit., elocution. Senior: Lect. on Eng. lit., Shakspeare, Milton, higher rhet., theory of style, Pope, Scott, elocution.	Freshman: German—Gram. (Cook's Otto), Heness Leitfadен, Hoffman's Historische Erzählungen. Sophomore: Translation from Eng. into Ger., Schiller, comp., elocution. Junior: Comp., Goethe, Lessing. Senior: Translation Eng. into Ger., comp., oratory, lect. on Ger. lit.	Sophomore: Physiology of the soul (Wythe), anthropology. Junior: Psychology (Sully), hist. of Phil., logic (Atwater), æsthetics. Senior: Ethics, social science.	82

<sup>2</sup>By those presenting modern languages for admission.

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
83	University of Pennsylvania, Philadelphia, Pa.	Arts .....	Freshman: Latin—Livy, Horace; Greek—Lysias, Eurip., Xen., Plato, comp., moods and tenses. Sophomore: Latin—Tac., Cic., Horace; Greek—Herod., Sophocles, Thucyd., comp. Junior: Latin—Juvenal, Cic., Horace; Greek—Demos., Eurip., Plato, Aristophanes, antiquities, Sanskrit, gram. (Whitney), reader (Lanman). Senior: Latin—Cic. or Lucretius, Horace, reading at sight; Greek—Homer, Pindar, Æschylus, Aristophanes, Greek lit.; Sanskrit—Lanman's reader, Veda.	Freshman: Alg. (Wentworth), geom. (Chauvenet), trig. (Wentworth). Sophomore: Analyt. geom. (Bowser), dif. and integ. calc. Junior: <i>Theory of equations</i> (Todhunter), <i>advanced trig. and analyt. geom.</i> , <i>factorials and determinants</i> . Senior: Astron. (Newcomb), <i>advanced dif. and integ. calc.</i> , <i>dif. equations</i> , <i>theory of probabilities</i> .
		Phil .....	Freshman: Latin—Sallust, Ovid. Sophomore: Latin—Tac., Horace.	Freshman: Alg. (Wentworth), trig. (Chauvenet), analyt. geom. (Bowser). Sophomore: Analyt. geom. dif. calc. Senior: Astron.
		Fin. and Econ.	Freshman and Sophomore: Same as in course in arts or in philosophy.	Freshman and Sophomore: Same as in course in arts or in philosophy.
		Chem .....	Same as in course in phil .....	Freshman and Sophomore: Same as in course in phil. Junior: Dif. and integ. calc. Senior: Astron., <i>methods of computation</i> .
		Min. and Met.	Same as in course in phil .....	Freshman and Sophomore: Same as in course in phil. Junior: Dif. and integ. calc., sur. Senior: Same as in course in chemistry.
		Civ. Eng..	Same as in course in phil .....	Freshman and Sophomore: Same as in course in phil. Junior: Dif. and integ. calc., sur. Senior: Astron., <i>methods of computation</i> , sur., geodesy.
		Dynam. Eng.	Same as in course in phil .....	Same as in course in chem ...
		Draw. and Arch.	Same as in course in phil .....	Same as in course in chem ...
84	Lehigh University, South Bethlehem, Pa.	Classical..	Freshman: Latin—Cic., Livy, Horace, comp., prosody; Greek—Homer, Xen., prosody. Sophomore: Latin—Horace, Tac. or Quintilian, comp., antiquities, Plautus; Greek—Herod., Thucyd., Eurip., Demos. Junior: Latin—Cic.; Pliny; Persius, Terence, hist. of Rom. lit. (Cruttwell). Greek—Sophocles, Aristophanes, Æschylus, antiquities. Senior: Latin—Lucretius, Rom. lit., Cic.; Greek—Plato, Greek phil., Pindar, Greek lit.	Freshman: Geom. (Chauvenet), alg. (Olney), trig., mens. Sophomore: Analyt. geom., gen. geom. (Olney), <i>dif. and integ. calc.</i> (Olney). Senior: Astron. (Loomis).
		Latin scientific.	Latin—Same as in A. B. course	Freshman: Same as in classical course. Sophomore: Analyt. geom., gen. geom., dif. and integ. calc. Senior: Astron.
		Science and letters,	.....	Same as in Latin scientific course.



and universities.—PART I—Continued.

italics are elective.

English.	Modern languages.	Philosophy.	
Freshman: Structure of Eng. prose (McElroy), comp., elocution. Sophomore: Rhet., comp., elocution, modern prose authors, Gummere's poetics. Junior: Rhet., comp., Eng. lit., <i>Anglo-Saxon</i> (Sweet), <i>Middle and Early Modern Eng., elocution</i> . Senior: Comp., lect. on Elizabethan period and the age of Chaucer, <i>Anglo-Saxon, middle and early modern Eng., elocution, linguistics</i> (Whitney).	Junior: French— <i>Easy prose, syntax</i> (Harrison); German— <i>Eichendorff, Schiller, Goethe, Gram., Gothic</i> ; Italian— <i>Gram. (Toscani), Pellico, Manzoni; Hebrew</i> . Senior: French— <i>Modern drama, Molière, philology, hist. of Fr. lit., old French</i> ; German— <i>Lessing, Goethe, Grillparzer, Gothic</i> ; Italian— <i>Dante, Boccaccio, lect. on Italian lit.; Hebrew</i> .	Junior: Logic (Jevons), psychology (Lotze). Senior: Prin. of human knowledge (Berkeley), hist. of phil., conception of the infinite (Fullerton), ethics.	83
Freshman and Sophomore: Same as in arts course. Junior: Rhet., comp., Eng. lit., <i>middle and early modern Eng., elocution</i> . Senior: comp., lect. on Elizabethan period and the age of Chaucer, <i>middle and early modern Eng., elocution</i> .	Freshman: German—Gram., <i>Fünftes Lesebuch</i> , Storm (elective with French or Latin); French—Syntax (Harrison), modern prose, Böcher's French plays. Sophomore: German—Virchow and Holtzendorff, Lessing (elective with French or Latin); French—Modern prose, Molière.	Junior: Logic, psychology, ethics. Senior: Same as in arts course.	
Freshman and Sophomore: Same as in course in arts or in philosophy.	Freshman and Sophomore: Same as in course in arts or in philosophy.	Junior: Logic, moral phil. (Janet), ethics.	
Freshman and Sophomore: Same as in course in arts. Junior: Rhet., comp., Eng. lit., <i>elocution</i> . Senior: Comp., <i>elocution</i> .	Freshman and Sophomore: Same as in course in phil. Junior: German—Pinner; French— <i>Tableaux de la Révolution française, Molière</i> .		
Same as in course in chem.....	Same as in course in chem.....		
Same as in course in chem.....	Same as in course in chem.....	Junior: Logic, ethics.	
Same as in course in chem.....	Same as in course in chem.....		
Same as in course in chem.....	Same as in course in chem.....	Same as in course in civil eng.	
Same as in course in chem.....	Same as in course in chem.....	Same as in course in civil eng.	
Freshman: Comp., elocution. Sophomore: Comp., elocution, rhet. (Coppée). Junior: Eng. lit. (Coppée), philology, (Earle), comp., oratory. Senior: Comp., oratory, lect. on Amer. and Eng. lit.	Sophomore: French—Gram. (Whitney), reader (Keetel); or German—Gram. (Brandt), reader (Joyne's Otto), exercises (Lodeman). Junior: French—Gram., reading, O'Conner; or German—Gram., reading. Senior: French—Gram., Fr. lit., Corneille, Racine, Molière, comp.; or German—Gram.; Lessing, Herder, Goethe, Schiller, comp., Ger. lit.	Junior: Logic (Coppée), psychology (Hill). Senior: Moral phil. (Haven), hist. of phil., Christian evidences.	84
Same as in classical course.....	Freshman: German—Gram., reader. Sophomore: French, German. Junior and Senior: French, German.	Same as in classical course.	
Same as in classical course.....	Same as in Latin scientific course.	Same as in classical course.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
84	Lehigh University, South Bethlehem, Pa.—Continued.	Civ. Eng. ....	.....	Freshman: Geom., alg., trig., mens., sur. Sophomore: Analyt. geom., gen. geom., dif. and integ. calc., sur. Junior: Calc. (Courtney), analyt. mech. (Wood), sur. Senior: Astron., sur.
		Mech. Eng. ....	.....	Freshman and Sophomore: Same as in Latin scientific course. Junior: Calc., analyt. mech.
		Metallurgy .....	.....	Freshman and Sophomore: Same as in civil eng. course. Junior: Same as in mech. eng. course.
		Mining ... ..	.....	Same as in civil eng. course.
		Elec. Eng. ....	.....	Freshman, Sophomore and Junior: Same as in mech. eng. course. Senior: Astron.
		Chemistry .....	.....	Freshman: Same as in classical course.
		Arch. ....	.....	Same as in course in metallurgy.
85	Swarthmore College, Swarthmore, Pa.	A. B. ....	Freshman: Latin—Cic., Ovid. Sophomore: Latin—Horace, Sallust, Cic., Livy; Greek—Gram., Xen. Junior: Latin—Remnants of early Latin (Allen), Plautus, Terence, Horace, Persius, Juvenal, Cic., Pliny, Livy; Greek—Plato, Fernald's Greek Historians, comp. Senior: Latin—Tac., <i>Latin selections</i> (Smith), <i>hist. of Rom. lit.</i> (Crittwell). Greek—Homer, Soph., Eurip., <i>hist. of Greek lit.</i>	Freshman: Alg. (Wells), geom. (Davies Legendre), trig. (Chauvenet). Sophomore: Geom., alg., conic sections (Todhunter), <i>descrip. astron.</i>
		B. L. ....	Latin—Same as in A. B. course (elective).	Same as in A. B. course .....
		B. S. ....	Same as in B. L. course .....	Freshman and Sophomore: Same as in A. B. course. Junior: Calc. (Williamson), <i>sph. trig., determinants</i> . Senior: <i>Sph. and prac. astron.</i> (Chauvenet).
		Engineer'g .....	.....	Freshman: Same as in A. B. course. Sophomore: Geom., alg., conic secs., <i>descrip. geom., sur., descrip. astron.</i> Junior: calc., sph. trig., <i>determinants</i> . Senior: Same as in B. S. course.
86	Washington and Jefferson College, Washington, Pa.	A. B. ....	Freshman: Latin—Livy, Horace, prose comp.; Greek—Lysias, Isocrates, Homer, New Testament, comp. Sophomore: Latin—Cic., Horace, Tacitus, comp.; Greek—Eurip., Thucyd., Sophocles, comp. Junior: Latin—Horace, Juvenal; Greek—Xen., Demos.	Freshman: Geom. (Newcomb), alg. (Wentworth), plane trig. Sophomore: Sph. trig., sur., analyt. geom., dif. calc. Junior: <i>Integ. calc., appl'd math.</i> Senior: <i>Appl'd math., astron</i> (Loomis).
		B. S. ....	.....	Freshman: Same as in A. B. course. Sophomore: Sph. trig., sur., analyt. geom., <i>descrip. geom., dif. calc.</i> Junior and Senior: Same as in A. B. course.

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman and Sophomore: Comp., elocution. Junior: Comp., oratory, Eng. lit. Senior: Lect. on Eng. lit.	Freshman: French—Charde- nal, reader; or German— Gram., reader. Sophomore and Junior: French or Ger- man.	Senior: Christian evidences.	84
Freshman, Sophomore, and Jun- ior: Same as in civil eng. course. Senior: Lect. on Amer. and Eng. lit.	Same as in civil eng. course....	Same as in civil eng. course.	
Same as in civil eng. course....	Same as in civil eng. course....	Same as in civil eng. course.	
Same as in mech. eng. course....	Same as in civil eng. course....	Same as in civil eng. course.	
Same as in mech. eng. course....	Same as in civil eng. course....	Same as in civil eng. course.	
Same as in mech. eng. course....	Same as in civil eng. course....	Same as in civil eng. course.	
Same as in civil eng. course....	Same as in civil eng. course....	Same as in civil eng. course.	
Freshman: Rhet., elocution. Sophomore: <i>Elocution, Eng. lit.</i> , comp. Junior: Comp., <i>English, elocution</i> . Senior: Comp., elocution, <i>English</i> .	Freshman: French—Téléma- que (Fenelon), gram.; Ger- man—Gram. and reading. Sophomore: French—Gram., prose and poetry (Magill). German—Stories, plays, writ- ing. Junior: French— <i>Böcher's college plays, Dumas, gram.</i> ; German—Schiller. Senior: French— <i>Corneille, Racine, Molière, gram.</i> ; German— <i>Goethe or Lessing, Schiller, hist. of Ger. lit.</i>	Senior: Logic (Jevons), mental phil., moral phil. (Janet).	85
Freshman: Eng., rhet., elocu- tion. Sophomore: <i>Elocution</i> , Eng. lit., comp. Junior: <i>Elo- cution, Eng. lit.</i> , comp. Sen- ior: Eng., elocution, comp.	Freshman and Sophomore: Same as in A. B. course. Junior: French— <i>Böcher's college plays, Dumas, gram.</i> ; German—Schiller. Senior: German—Goethe or Lessing, Schiller, hist. of Ger. lit.; French—Same as in A. B. course.	Same as in A. B. course.	
Same as in A. B. course.....	Freshman: Same as in A. B. course. Sophomore: German —Same as in A. B. course. French— <i>Elective</i> . Junior: Same as in B. L. course. Sen- ior: Same as in A. B. course.	Same as in A. B. course.	
Same as in A. B. course.....	French and German elective....	Senior: Logic, <i>mental phil.</i> , <i>moral phil.</i>	
Freshman: Scott, Irving. Sophomore: Bacon, Chaucer, Anglo-Saxon, Longfellow, Goldsmith, Milton. Junior: Hist. of Eng. lit., oratory, Spencer, Shakspeare, Haw- thorne. Senior: Philology (Whitney).	Sophomore: German—Schmitz's course, gram., comp., reading. Junior: German— <i>Goethe, Schiller, Lessing</i> . Senior: Ger- man or French.	Junior: Logic (Jevons). Senior: Psychology, moral phil., Christian evi- dences (Fisher).	86
Freshman: Scott, study of words, gram. (Fowler), Ab- bott's How to Write Clearly, rhet. (Hart), Irving. Sopho- more and Junior: Same as in A. B. course.	Freshman: French—El lessons (Buckingham's Eugene), Bö- cher's reader, Xavier de Maistre, comp. Sophomore: German—Same as in A. B. course; French— <i>Athalie, Le Comte de 1813, Le Mis-an- thrope, prosody</i> . Junior: German—Same as in A. B. course, <i>French</i> . Senior: <i>French or German</i> .	Same as in A. B. course.	



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
87	Brown University, Providence, R. I.	A. B. ....	Freshman: Latin—Livy, Cic., comp., Rom. hist.; Greek—Historians (Felton), comp., hist. of Greece, Homer. Sophomore: Latin—Horace, comp., Tac., Pliny; Greek—Demos., Soph. Junior: Latin—Horace, Juvenal, Persius, Terence, comp.; Greek—Eurip., Plato. Senior: Latin—Lucretius, Tac.; Greek—Demos., Plato.	Freshman: Geom., trig., alg. Sophomore: <i>Analyt. geom.</i> Junior: Astron. (Newcomb and Holden), <i>diff. and integ. calc., advanced mechanics, sur.</i> Senior: <i>Theory of equations, advanced mechanics.</i>
		Ph. B. ....	Same as in A. B. course (elective).	Freshman: Geom., trig., alg., sur., mens. Sophomore: <i>Analyt. geom., descrip. geom.</i> Junior and Senior: Same as in A. B. course.
88	University of South Carolina, Colum- bia, S. C.	Gen. Sci- ence.	.....	First year: Alg. (Wentworth), geom. (Chauvenet), plane trig. (Wheeler). Second year: Sph. trig. (Wentworth), <i>analyt. geom.</i> (Wentworth), calc. (Taylor), sur. Third year: Calc., least squares. Fourth year: Astron. (Young).
		Civil Eng.	.....	First and second years: Same as in course in gen. science. Third year: Calc., least squares, descriptive geom., geodesy. Fourth year: Astron.
		Mech. Eng.	.....	First year: Same as in course in gen. science. Second year: Sph. trig., <i>analyt. geom.</i> , calc. Third year: Calc., least squares, descriptive geom. Fourth year: Astron., applied mech.
		Agriculture.	.....	First and second years: Same as in mech. eng. course. Third year: Sur.
		Chem. ....	.....	Same as in course in agr. ....
		Nat. Hist.	.....	Same as in course in agr. ....
		Classical..	First year: Latin—Sallust, Cic., gram., comp., hist. of Rom. lit.; Greek—Xen., Homer, Herod., gram., first Greek writer (Sidgwick). Second year: Latin—Livy, Ovid, Horace, gram., comp., hist. of Rom. lit., mythology; Greek—Thucyd., Plato, Demos., gram., comp., moods (Keep). Third year: Latin—Tac., Pliny, Juvenal, Plautus, gram., hist. of Rom. lit., antiquities; or Greek—Soph., Plutarch, gram., moods and tenses, comp., hist. of Grecian lit. Fourth year: Latin—Terence, Cic., gram., comp., hist. of Rom. lit.; or Greek—Comp., gram., Æschylus, New Testament.	First and second years: Same as in mech. eng. course.
		Latin and Modern Lang.	Latin—First and second years: Same as in classical course. Third year: Same as in classical course (elective with French).	Same as in classical course...
		Eng. Lit ..	Latin—First year: Same as in classical course. Second year: Elective with French.	Same as in classical course...

and universities.—PART I—Continued.

*italics* are elective.

English.	Modern languages.	Philosophy.	
Sophomore: Rhet. (Hill), comp. (Bancroft), elocution. Junior: Hist. of Eng. lang., early Eng., Eng. lit. from 5th to 17th century, elocution, Eng. lit. of 17th and 18th centuries, manual of Eng. lit. Senior: <i>Eng. lit. of 19th century, Amer. lit.</i>	Freshman: French—Racine, Fénelon's <i>Télémaque</i> , Corneille. Sophomore: French— <i>Le Misanthrope, Les Fourberies de Scabin, Molière, St. Pierre</i> ; German— <i>Gram., comp., reader</i> . Junior: French— <i>Fr. lit.</i> ; German— <i>Schiller, comp.</i> Senior: German— <i>Goethe, Ger. lit.; Italian; Spanish.</i>	Junior: Logic (Jevons). Senior: Metaphysics (Hamilton), critique of pure reason (Kant), intellectual phil. (Wayland), the human intellect (Porter), psychology (Sully), moral phil. (Robinson), natural theology, evidences of Christianity, <i>hist. of phil.</i>	87
Freshman: Eng. Sophomore, Junior, and Senior: Same as in A. B. course.	Same as in A. B. course.....	Same as in A. B. course.	
First year: Gram., comp., Eng. lit. Second year: Hist. of Eng. lang. (Lonnbury), etymology, Eng. lit. of 17th and 18th centuries. Fourth Year: Comp., Eng. lit.	First and second years: French and German gram., reading, comp.	Third year: Logic (Bain), psychology (McCosh, Hamilton), hist. of phil. (Schwegler). Fourth year: Ethics (Calderwood, Janet).	88
Same as in course in gen. science.	First year: French, German. Second and third years: French or German.		
Same as in course in gen. science.	Same as in civ. eng. course.		
Same as in course in gen. science.	First and second years: French or German.		
Same as in course in gen. science. Same as in course in gen. science. Same as in course in gen. science.	Same as in course in gen. science. Same as in course in gen. science. ....	Third year: Same as in course in gen. science. Fourth year: Ethics, evidences of Christianity (Fisher).	
Same as in course in gen. science.	First year: French. Second year: French, German. Third year: German, French (elective with Latin). Fourth year: French or German.	Same as in classical course.	
First and second years: Same as in course in gen. science. Third year: Hist. of Eng. lang., Anglo-Saxon gram., old and middle Eng. reader, Eng. lit., rhet. (Bain), comp. Fourth year: Comp., Eng. lit., rhet. (Whately), oratory.	First year: French. Second year: French (elective with Latin), German.	Same as in classical course.	

TABLE 28.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
88	University of South Carolina, Columbia, S. C.—Continued.	Hist. and Phil.	First year. Latin or Greek. Second and third years. Latin or Greek (elective with French and German).	Same as in classical course..
89	University of Tennessee, Knoxville, Tenn.	Lit.-Scientific.	.....	Freshman: Geom., alg. Sophomore: Trig., analyt. geom.
		Latin-Sci.	Freshman: Latin—Cæsar, Virgil, gram., Rom. hist., mythology. Sophomore: Cic., Livy, gram., Rom. lit., Junior: Tac., Horace, prosody, comp., moods and tenses. Senior: Juvenal, Seneca.	Same as in lit.-scien. course..
		Agr. ....	.....	Same as in lit.-scien. course..
		Chem ...	.....	Freshman: Geom., alg. Sophomore: Trig., analyt. geom., sur.
		Civil Eng.	.....	Freshman: Alg., geom., trig. Sophomore: Analyt. geom., calc., descrip. geom., sur. Junior: Determinants, least squares.
		Mech. Eng.	.....	Same as in civil eng. course.
		Min. Eng.	.....	Freshman and Sophomore: Same as in civil eng. course.
90	Fisk University, Nashville, Tenn.	A. B. ....	Freshman: Latin—Virgil; Cic., comp.; Greek—Herod., Thucyd., hist. of Greece, Xen., Plato. Sophomore: Latin—Horace, Rom. hist.; Greek—Homer, Greek Testament. Junior: Latin—Livy, Tac.; Greek—Demos., Soph.	Freshman: Alg. (Wells), geom. (Peck), trig. (Peck), sur. (Murray). Sophomore: Conic sections (Peck), calc. (opt.). Junior: Astron. (Lockyear).
91	Vanderbilt University, Nashville, Tenn.	A. B. ....	Freshman: Latin—Cic., Livy, Ovid, gram., syntax; Greek—Herod., Homer, Lydias, gram., exercises. Sophomore: Latin—Cic., Pliny, comp., Horace; Greek—Plato, Demos., moods and tenses, comp., Eurip., Aristophanes, Lucian, Greek lit. (Jebb). Junior: Latin—Cic., Tac., Juvenal, Plautus or Terence, comp., hist. of Rom. lit.; Greek—Thucyd., Æschylus, Sophocles; Aristophanes, Greek lit., comp., metres. Senior: Same as in Junior.	Freshman: Geom. (Chauvenet), trig. (Wentworth), analyt. geom. (Wentworth), determinants (Peck). Sophomore: Dif. and integ. calc. (Greenhill or Newcomb), analyt. geom. (Smith). Junior: <i>Dynamics of a particle, and kinematics of rigid bodies or dif. equations, calc. of variations, and modern higher alg.</i> Senior: Astron. and same as in Junior.
		B. S. ....	Junior and Senior: Same as in Freshman and Sophomore of A. B. course (elective).	Same as in A. B. course.....
		Civil Eng.	.....	Freshman: Geom., trig., analyt. geom., determinants, sur. Sophomore: Dif. and integ. calc., sur., analyt. geom. Junior: <i>Dynamics of a particle, kinematics and kinetics of rigid bodies, or dif. equations, calc. of variations, and modern alg., sur., descrip. geom.</i> Senior: Theoret. and pract. astron.
		Mech. Eng.	.....	Freshman: Same as in civil eng. course. Sophomore and Junior: Same as in civil eng. course, but sur. being opt. Senior: Same as in civil eng. course.



and universities.—PART I—Continued.

italics are elective.

English.	Modern languages.	Philosophy.	
Same as in course in gen. science.	First year: French. Second and third years: French or German (elective with Latin and Greek).	Third year. Same as in course in gen. science. Fourth year: Logic (Mills), ethics, Christian evidences.	88
Freshman: Gram., comp., rhet. Sophomore: Hist. of Eng. lit. Junior: Hist. of Eng. lang., rhet. Senior: Elective.	Junior and Senior: French or German.	Senior: Psychology, ethics.	89
Same as in lit.-scien. course.....	Junior: <i>French or German</i> .....	Same as in lit.-scien. course.	
Freshman and Sophomore: Same as in lit.-scien. course. Same as in agr. course.....	Same as in lit.-scien. course. Junior and Senior: German.		
Same as in agr. course.			
Freshman: Same as in lit.-scien. course. Same as in mech. eng. course....	Same as in chem. course.		
Freshman: Rhet. (Reed and Kellogg), comp., elocution. Sophomore and Junior: Comp., elocution. Senior: Eng. lit., comp., elocution.	Sophomore: French—Gram., exercises, translations, Fr. lit. Junior: German—Gram., exercises, translations, Schiller.	Senior: Mental science (Bascom), logic (McCosh), moral phil. (Fairchild).	90
Freshman: Abbott's How to Parse, gram., Thackeray, Macaulay, comp. and rhet. (Bain), longer Eng. poems (Hale). Sophomore: Eng. prose writers (Hunt), Bacon, Milton, Anglo-Saxon lit. (Earle). Junior: <i>Anglo-Saxon</i> , <i>Fielding</i> , <i>Thackeray</i> , <i>Chaucer</i> , comp. Senior: Same as in Junior and elocution.	Junior: French— <i>Gram.</i> (Whitney), <i>Voltaire</i> , <i>Labiche</i> ; German— <i>Gram.</i> (Whitney), <i>exercises</i> , <i>Boisen's reader</i> ; <i>Schiller</i> , <i>Storm</i> , <i>Wm. Jensen</i> . Senior: French— <i>Chardenal</i> , <i>Racine</i> , <i>Crane and Brun</i> , <i>Aubert's lit.</i> , <i>Molière</i> , <i>O'Connor</i> ; German— <i>Gram.</i> , <i>Heine</i> , <i>Lessing</i> , <i>Uhland lit.</i> , <i>Schiller</i> , <i>Goethe</i> , <i>modern comedies</i> .	Junior: Psychology (Hamilton), logic (Tigert and Fowler), Senior: Moral phil. (Calderwood), natural religion and evidences of Christianity (Butler's Analogy), hist. of phil. (Schwegler).	91
Same as in A. B. course .....	Freshman, Sophomore, and Junior: French or German. Senior: <i>French or German</i> .	Junior: Same as in A. B. course. Senior: <i>Moral phil., nat. religion and evidences of Christianity, hist. of phil.</i>	
Sophomore: Same as Freshman in A. B. course.	Freshman: German—Gram., exercises, reader, Schiller, Storm, Wm. Jensen. Sophomore: German—Technical scientific reading exercises. French—Gram., Voltaire, Labiche. Junior: French—Technical scientific reading.	Senior: Logic.	
Same as in civil eng. course.....	Same as in civil eng. course.		

TABLE 28.—Courses of study in colleges

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
91	Vanderbilt University, Nashville, Tenn.—Continued.	Min. Eng.	.....	Freshman and Sophomore: Same as in civil eng. course. Junior: Sur., descrip. geom., dynamics of a particle, kinematics and kinetics of rigid bodies, or dif. equations, calc. of variations, and modern alg. (opt.).
92	University of Texas, Austin, Tex.	A. B. ....	Freshman: Latin—Gram., comp., Sallust, Livy, Ovid, metres; Greek—Gram., comp., Xen., Herod., Lucian, Lysias. Sophomore: Latin—Gram., syntax, comp., Cic., Terence, metres; Greek—Plato, Attic orators, Thucyd., moods and tenses. Junior: Latin, Tac., Juvenal, Plantus, Catullus, comp., lit., metres; Greek—Homer, Eurip., Soph., metres, etymology. Senior: Latin—Elective; Greek— <i>Æschylus</i> , <i>Aristophanes</i> , <i>Pindar</i> , <i>Theocritus</i> , <i>Greek lit.</i>	Freshman: Alg. (Wentworth), solid geom. (Halsted), spherics, mens., plane and sph. trig. (Wentworth), sur., nav. Sophomore: <i>Analyt. geom.</i> , <i>graphic alg.</i> , <i>theory of equations</i> . Junior: <i>Analyt. geom.</i> , <i>dif. and integ. calc.</i> (Byerly). Senior: <i>Determinants</i> (Muir), <i>quaternions</i> , <i>invariants</i> , <i>quantics</i> , <i>astron.</i>
		B. L. ....	Freshman, Sophomore, Junior, and Senior: <i>Latin</i> ; <i>Greek</i> .	Same as in A. B. course. ....
		Scientific .	Same as in B. L. course. ....	Freshman: Same as in A. B. course. Sophomore: <i>Analyt. geom.</i> , <i>graph. alg.</i> , <i>theory of equations</i> . Junior: <i>Analyt. geom.</i> , <i>dif. and integ. calc.</i> Senior: Same as in A. B. course.
		Engineering.	Same as in B. L. course. ....	Freshman: Same as in A. B. course and descrip. geom. Sophomore: Same as in scientific course and geodesy. Junior: <i>Analyt. geom.</i> , <i>calc.</i> , <i>applied mech.</i> Senior: <i>Determinants</i> , <i>quaternions</i> , <i>invariants</i> , <i>quantics</i> , <i>astron.</i>
		Chemistry.	Same as in B. L. course. ....	Freshman: Same as in A. B. course, and <i>descrip. geom.</i> Sophomore, Junior, and Senior: Same as in Eng. course ( <i>elective</i> ).
		Physics...	Same as in B. L. course. ....	Freshman: Same as in course in chem. Sophomore: Same as in A. B. course and <i>geodesy</i> . Junior and Senior: Same as in course in chem.
		Geology ..	Same as in B. L. course. ....	Same as in course in physics .
93	University of Vermont, Burlington, Vt.	Arts.....	Freshman: Latin—Tac., Livy; Greek—Xen., Homer, Lysias. Sophomore: Latin—Horace; Greek—Thucyd., orators. Junior: Greek—Drama. Senior: Greek—Plato.	Freshman: Alg., geom. and plane trig. (Newcomb). Sophomore: <i>Analyt. geom.</i> (Newcomb). Junior: <i>Astron</i> (Newcomb).
		Lit. Scien.	Latin—Freshman: Tac., Livy. Sophomore: Pliny, Quintilian, Horace.	Same as in A. B. course. ....

and universities.—PART I—Continued.

*Italics are elective.*

English.	Modern languages.	Philosophy.	
Same as in civil eng. course....	Same as in civil eng. course ....	.....	91
Freshman: Rhet. and comp. (Bain), analysis, essays, elocution. Sophomore: Essays, declamation, <i>hist. of Eng. lang.</i> (Lounsbury). Junior: Essays or orations, <i>Eng. lit.</i> Senior: Orations or disquisitions, <i>Eng. lit.</i> (masterpieces).	Freshman: <i>French</i> or <i>German</i> . Sophomore, Junior, and Senior: <i>French</i> or <i>German</i> .	Junior: Psychology (Schnyer), logic (Bowen). Senior: Moral science (Alexander), pract. ethics, nat. theology (Valentine), sensualistic phil. of the 19th cent.	92
Freshman: Same as in A. B. course. Sophomore: Essays, declamations, <i>hist. of Eng. lang.</i> Junior: Essays or orations, <i>Eng. lit.</i> Senior: Same as in A. B. course.	Freshman: French, German. Sophomore and Junior: French, German. <i>Spanish</i> . Senior: <i>French</i> ; <i>German</i> .	Same as in A. B. course.	
Freshman, Sophomore, and Junior: Same as in A. B. course. Senior: <i>Eng. lit.</i> (masterpieces).	Freshman: French or German. <i>French</i> or <i>German</i> . Sophomore and Junior: <i>French</i> , <i>German</i> , <i>Spanish</i> . Senior: <i>French</i> ; <i>German</i> .	Same as in A. B. course (elective).	
Freshman: Same as in A. B. course. Sophomore: <i>English</i> . Junior: <i>Essays or orations, Eng. lit.</i> Senior: Same as in scientific course.	Same as in scientific course ....	Same as in scientific course.	
Freshman: Rhet., essays, <i>anal.</i> Sophomore, Junior, and Senior: <i>English</i> .	Same as in scientific course ....	Same as in scientific course.	
Freshman: Essays, <i>rhet. anal.</i> Sophomore, Junior, and Senior: Same as B. L. course.	Same as in scientific course ....	Same as in scientific course.	
Freshmore: Same as in course in chem. Sophomore, Junior, and Senior: <i>English</i> .	Freshman: Same as in scientific course. Sophomore: French or German, <i>French</i> or <i>German</i> , <i>Spanish</i> . Junior and Senior: Same as in scientific course.	Junior: Same as in A. B. course. Senior: Same as in scientific course.	
Freshman and Sophomore: Rhet., essays. Junior: Rhet., essays, orations. Senior: Rhet., essays, orations, <i>Eng. lit.</i>	Freshman: French. Sophomore: German, French. Junior: German.	Junior: Logic (Davis). Senior: Psychology (Marsh, Hopkins, Porter, Dewey), metaphysics (Kant), evidences of religion (Flint), moral phil. (Janet).	93
Freshman: Rhet., essays, <i>Eng. lit.</i> Sophomore, Junior, and Senior: Same as in A. B. course.	Same as in A. B. course .....	Same as in A. B. course.	



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
93	University of Vermont, Burlington, Vt.—Continued.	Engineering.	.....	Freshman: Alg., geom., trig., sur., descrip. geom. (Church). Sophomore: Sph. trig., analyt. geom., descrip. geom., calc., astron. (Newcomb). Junior: Geodesy.
		Chemical.	.....	Freshman: Same as in Eng. course. Sophomore: Analyt. geom. Junior: Calc. (opt.).
		Agr. ....	.....	Freshman: Same as in Eng. course. Sophomore: Descrip. geom.
94	Middlebury College, Middlebury, Vt.	Classical..	Freshman: Latin—Livy, comp., Cic.; Greek—Xen., comp., Homer, Greek lit., Epic poetry, antiquities (Mahaffy). Sophomore: Latin—Horace, Tac., comp., Cic., Lucretius, Plautus, hist. of Rom. lit; Greek—Sophocles, Greek lit., comp., Thucyd., Lysias.	Freshman: Alg., geom. and trig. (Wentworth). Sophomore: Sph. trig. (Wentworth), analyt. geom. (Briggs). Senior: Astron.
		Lat. Scien.	Latin: Same as in classical course.	Same as in classical course ..
95	Randolph-Macon College, Ashland, Va.	Ph. B. ....	Latin—Livy, Tac., Horace, Tac., Cic., Juvenal, Horace.	Alg. (Wentworth, Todhunter), geom. (Nixon's Euclid, Wentworth), trig. (Newcomb), conic sections (Puckle), determinants (Peck), analyt. geom., dif. and integ. calc. (Todhunter), phil. of math. (Bledsoe), astron. (Newcomb and Holden), descrip. geom., sur.
		A. B. ....	Latin—Gram., Cæsar, Sallust, hist. of Rome (Creighton), Cic., Virgil, Livy, Tac., Horace, Tac., Cic., Juvenal, Horace; Greek—Gram., comp. (Sidgwick), Homer, New Testament, Plato, Demos., Thucyd., Sophocles, Wilson's <i>Mosaics of Grecian History</i> .	Trig. (Newcomb), conic secs., determinants, astron.
96	Hampden-Sidney College, Hampden-Sidney, Va.	.....	Freshman: Latin—Cæsar, Virgil or Ovid, prosody, gram., Cic., comp.; Greek—Xen., gram., hist. and geog. Sophomore: Latin—Cic., Livy, gram., comp. Horace, prosody; Greek—Homer, gram., comp., Xen., Lysias. Junior: Latin—Tac., gram., comp., Quintilian; Greek—Gram., comp., Lysias, Homer, Eurip., Demos. Senior: Greek—Hist. (Grote), Demos., Plato; gram., comp.; Latin—Terence, comp., gram.	Freshman: Alg. and geom. (Wentworth), original problems. Sophomore: Alg., geom., trig. (Wentworth). Junior: Analyt. geom. (Puckle), analyt. geom. (Venable). Senior: dif. and integ. calc. (Ray), astron. (Newcomb and Holden), hist. and phil. of math.
97	Washington and Lee University, Lexington, Va.	.....	Latin—Gildersleeve's Primer, Smith's Principia, Cæsar, Ovid, Livy, Cic., Virgil, gram., mythology, Tac., Horace, Juvenal, Rom. hist. (Leighton), Rom. lit. (Crutwell); Greek—Xen., Herod., Homer, comp., gram., Plato., Eurip., Demos., Thucyd., Sophocles, Isocrates, Greek lit. (Jebb).	Alg. and geom. (Wentworth), trig. (Wells), analyt. geom. (Wentworth), determinants (Peck), calc. (Taylor, Beyerly), quaternions (Hardy), descrip. geom. (Church), sur. (Davies), astron. (Young).

and universities.—PART I—Continued.

*Italics* are elective.

English.	Modern languages.	Philosophy.	
Freshman: English. Sophomore: Rhet. (Hill), Shakespeare, Chaucer. Junior: Rhet. Senior: Hist. and criticism of Eng. lit.	Sophomore: French. Junior: German.	Freshman: Moral phil . . . .	93
Same as in Eng. course . . . . .	Same as in Eng. course . . . . .	Same as in Eng. course.	
Same as in Eng. course . . . . .	Same as in Eng. course . . . . .	Same as in Eng. course.	
Freshman: Rhet. (Kellogg). Sophomore: Hist. of Eng. lang. (Lounsbury). Junior: Rhet. (Whately). Senior: Eng. lit., Chaucer, drama, 19th century poetry.	Sophomore: French. Junior: German, gram. (Whitney), German prose (Boisen), Schiller.	Junior: Logic (Jevons). Senior: Physiological psychology (Ladd), psychology (Sully), ethics, Hopkins' Law of Love, Mulford's Republic of God.	94
Freshman: Rhet. Sophomore: Old Eng. prose, Siever's gram. Eng. comp. (Bain), Anglo-Saxon primer (Sweet), Eng. lit. (Brooke), prose comp. (Minto), Eng. prose classics, <i>Middle Eng. primers</i> (Sweet), <i>Chaucer, historical gram., Spenser, Pattison's Pope, Palgrave, Arnold's, Wordsworth, and Byron, Tennyson.</i>	Same as in classical course . . . .	Same as in classical course.	
Eng. comp., Anglo-Saxon primer, Eng. lit., prose comp., Eng. prose classics.	French—Gram. (Whitney), Rougemont, Crane and Brun, historical gram. (Brachet), Molière, Racine, Corneille, Fr. lit. (Saintsbury), Crane. German—Gram. and reader (Whitney), <i>Lessing, Goethe, Schiller, Heine, Scheffel.</i>	Psychology (Hopkins, Porter), logic (Jevons), ethics (Hopkins), nat. theology (Flint), hist. of phil.	95
	German—Same as in Ph. B. course. French — <i>Gram., Rougemont, Crane and Brun.</i>	Psychology (Hopkins), logic, ethics.	
Freshman: Higher Eng. gram. (Reed & Kellogg), comp., or thoepist (Ayers), pract. rhet. (Clark), Irving, Macanlay. Sophomore: Prac. rhet., or thoepist (Abernethy), Anglo-Saxon (Sweet), lyrical selections, comp., Eng. lang. (Lounsbury), Chaucer. Junior: Shakespeare's primer, Macbeth, Eng. lit. (Morley and Tyler), Milton, essays. Senior: Essays, dissertations.	German—Gram. (Sheldon), gram. and reader (Whitney), Bodenstedt's translation of Hamlet, Freytag's <i>Die Journalisten</i> , or Schiller. French—Gram. (Whitney), Rougemont, About, Pylodet, Blouet, Saintsbury.	Junior: Porter's Elements of Intellectual Science, <i>McCosh on the Emotions, Locke on the Human Understanding</i> . Senior: Logic (Fowler), hist. of phil. (Schwegler), Porter's Elements of Moral Science, mental phil., evidences of Christianity (Fisher).	96
Our lang. (Southworth and Stoddard), Strang's exercises, lessons in Eng. (Lockwood), English poets, (Ward), Eng. gram. (Morris), longer Eng. poems (Hale), Chaucer, Anglo-Saxon, (Sweet), early Eng. (Corson), Harrison and Sharp's <i>Beowulf</i> , Whitney's <i>Lang.</i> and the study of <i>Lang.</i> , Ten Brink's hist. of Old Eng. lit., rhet. (Whately, Genung), Gummere's <i>Handbook of Poetics</i> , Eng. lit. (Shaw, Taine), essays, elocution.	French—Easy lessons, Char-denal's first course, reader (Snper), Fontaine, Fr. lit. (Saintsbury or Warren), Bôcher's college plays, Corneille, Racine, Molière, Boileau, Voltaire, Hugo, La Fontaine. German—Gram. and reader (Whitney), Homann's <i>Collection of Märchen</i> , or Otis's <i>Grimm's Märchen</i> , Barring-Gould, Goethe, Schiller, Lessing, Weckebach, Heine, Ger. lit. (Hamer), Ger. Testament, Kostyak.	Metaphysics (Bowen's Hamilton), hist. of phil., logic (Bowen), nat. theology and Christian evidences (Fisher), ethics (Robinson).	97

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Mathematics and astronomy.
98	University of Virginia, Charlottesville, Va.	A. B. ....	Latin—Sallust, Ovid, Curtius, Virgil, comp., Rom. hist. (Liddell), Rom. lit. (Bender), Livy, Horace, Cic., Seneca, Tacitus, Juvenal, Plautus; Greek— <i>Gram</i> , <i>Xen.</i> , <i>Lysias</i> , <i>hist of Greece</i> , <i>drama</i> , <i>Homer</i> , <i>Plato</i> , <i>Eurip.</i> , <i>lit.</i> , <i>antiquities</i> . <i>Demos.</i> , <i>Thucyd.</i> , <i>Aristophanes</i> . <i>lyric poets</i> , <i>syntax</i> .	Alg. (Todhunter), geom. (Venable's Legendre), trig. (Todhunter, Snowball), conic sections (Puckle), analyt. geom., solid geom., dif. calc. (Todhunter), integ. calc. (Williamson), calc. (Courtenav), theory of equations (Todhunter).
		A. M. ....	Latin and Greek.....	Same as in A. B. course.....
		C. E. ....	.....	Same as in A. B. course and applied math., and <i>mized math.</i> , geodesy, descript. geom.
		Min. Eng. ....	.....	Same as in A. B. course and applied math.
		B. S. A. ....	.....	Applied math.
99	University of Washington, Seattle, Wash.	A. B. ....	Freshman: Latin—Ovid, Horace, Livy; Greek—Homer, Herod. Sophomore: Greek—Plato, Edipus, Prometheus.	Freshman: Trig. and analyt. geom. (Wentworth). Sophomore: Calc. (Rice and Johnson), mech. (Wood). Junior: Descrip. astron. (Gillet and Rolfe).
		B. S. ....	Latin—Same as in A. B. course.	Same as in A. B. course.....
100	West Virginia University, Morgantown, W. Va.	A. B. ....	First year: Latin—Virgil, Horace, Cic.; Greek—Herod., Homer. Second year: Latin—Livy, Rom. lit. (Bender), Horace, Cic.; Greek—Xen., Greek lit. (Jebb), Plato, Eurip. Third year: Latin— <i>Toc.</i> ; Greek— <i>Demos.</i> , <i>Sophocles</i> .	First year: Trig., sur., analyt. geom., <i>descrip. geom.</i>
		B. S. ....	.....	First year: Trig., sur., analyt. geom., <i>descrip. geom.</i> Second year: Calc., analyt. mech. Third year: Analyt. mech., astron.
		Engineering. ....	.....	Same as in B. S. course.....
101	University of Wisconsin, Madison, Wis.	.....	Greek—Gram, prose comp., Homer, Xen., speaking and writing Greek, Lysias, Herod., lyric poets, Demos., Eurip., Plato, derivation of technical terms. Latin—Cic., Virgil, Livy, Horace, Tac., Plautus, Catullus, gram., comp. Sanskrit—The Nala and gram., reader, Sanskrit lit.	Alg. (Van Velzer and Slichter), solid geom. (Wentworth), trig. (Wheeler), analyt. geom., dif. and integ. calc., dif. equations, modern geom., higher plane curves, sph. harmonics, elliptic functions, theory of functions, theory of numbers, quaternions, descript. geom., descript. astron., pract. astron., theoret. and pract. astron., sur., least squares, geodesy.



and universities.—PART I—Continued.

*Italics are elective.*

English.	Modern languages.	Philosophy.	
English (elective with German).	French or Spanish, or Italian, German (elective with English.)	<i>Deductive, inductive, and applied logic</i> (Davis, Mill, Jevons).	98
.....	French, German .....	Deductive, inductive, and applied logic, psychology (Davis), metaphysics (Hamilton), la morale (Jenet), ethics (Kant), Hist. of Phil. (Ueberweg).	
Junior: Rhet. (Hill). Senior: Eng. lit. (Kellogg), criticism, (Kames), oratory.	Sophomore: German (elective with Greek).	Senior: Psychology and ethics (Porter), logic (Schuyler).	99
Same as in A. B. course.....	Freshman: German lessons and gram. Sophomore: Ger. reader, Schiller.	Same as in A. B. course.	
First year: Analysis, Eng. phil., hist. of Eng. (Lang), comp., Eng. lit. Second year: Rhet. (Hart). Third year: Criticism, Eng. lit.	Third year: German gram. (Joynes-Meissner), <i>Grimm's Maerchen</i> , Schiller. Fourth year: German— <i>Benedix</i> or <i>Lessing</i> , Goethe, <i>Fouque</i> , Ger. lit. (Hosmer) or French— <i>gram.</i> (Whitney), <i>reader</i> (Super), <i>Colomba</i> , <i>Picciola</i> .	Third year: Intellectual science (Porter), logic (Jevons-Hill). Fourth year: Ethics (Janet), nat. theism, Christian theism.	100
First and second years: Same as in A. B. course. Third year: <i>criticism, Eng. lit.</i>	First year: French—Gram., reader, <i>Colomba</i> , <i>Picciola</i> . Second year: French— <i>Voltaire</i> , gram., <i>Corneille</i> , <i>Racine</i> , <i>Molière</i> , <i>Hugo</i> , Fr. lit. ( <i>Saintsbury</i> ). Third year: German—Gram., <i>Grimm's Maerchen</i> , <i>Schiller</i> . Fourth year: German— <i>Benedix</i> , <i>Lessing</i> , <i>Goethe</i> , <i>Fouque</i> , Ger. lit.	Same as in A. B. course.	
Second year: Rhet. Third year: Same as first year in A. B. course.	First and second years: Same as in B. S. course.		
Anglo-Saxon (Sweet), Chaucer, gen. survey of Eng. lit., Sir Thomas Moore, Roger Ascham, Sir Philip Sidney, Spenser, Bacon, Milton, Pope, Burke, Tennyson, Brvant, Longfellow, Whittier, Holmes, Lowell, Shakspeare, Hawthorne, Irving, Thoreau, Emerson, Carlyle, Ruskin, Browning, Dickens, Thackeray, George Eliot, prin. of rhet. (Hill), pract. rhet. (Genung, Hill), phil. of rhet. (D. J. Hill), elocution, essays.	French, German, Spanish, Italian, Scandinavian languages, Hebrew.	General psychology, exp. psychology, hist. of Greek phil. (Zeller), hist. of modern Eng. phil., ethics, aesthetics, deductive and inductive logic, advanced logic (Mill, Boole), pedagogics.	101

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physica.
1	University of Alabama, University, Ala.	A. B. ....	Senior: Wurtz's Elements....	Senior: Peck's Ganot .....
		B. S. ....	Sophomore: <i>Chem.</i> (Clark). Junior: Exp. chem. (Bloxam or Wurtz), qual. anal. (Jones or Prescott), quant. anal. (Bolton), lab'y work. Senior: Org. chem. (Remsen), lab'y work (Fresenius, Bolton, Tucker).	Freshman: <i>Gage's physics</i> . Junior and Senior: Mechanics, Kimball's Olmsted.
		C. E. ....	Junior: Exp. chem. ....	Freshman: El. physics (Gage). Junior: Mechanics, Kimball's Olmsted.
2	University of California, Berkeley, Cal.	A. B. ....	Sophomore: <i>El. chem.</i> Senior: <i>El. chem.</i> , <i>inorg. chem.</i>	Junior: Heat, mechanics, mechanics of liquids, of gases, and of capillarity, statical electricity (required first term, elective second term).
		B. L. ....	Sophomore: El. chem. (Storer and Eliot, Roscoe). Senior: <i>Inorg. chem.</i>	Same as in A. B. course.....
		Ph. B. ....	Sophomore: El. chem. ....	Same as in A. B. course.....
		B. S. in Agr.	Freshman: El. chem. Sophomore: <i>Inorg. chem.</i> , qual. anal. Junior: Agr. chem., quant. anal. Senior: Org. chem., physiological chem., quant. anal.	Sophomore: Heat, mech., mechanics of liquids, of gases, and of capillarity, statical electricity. Junior: Phys. lab'y.
		B. S. in Mech.	Freshman: Same as in B. S. course in agr. Sophomore: <i>Inorg. chem.</i> , qual. anal., blowpipe anal.	Same as in B. S. course in agr..
		B. S. in Min.	Freshman and Sophomore: Same as in B. S. course in agr. Junior: <i>Quant. anal.</i>	Same as in B. S. course in agr..

and universities.—PART II.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
		Freshman: U. S. hist. (Eggleston and Stephens). Sophomore: Early and mediæval England (Montgomery); modern England (Montgomery); early eastern civilizations (Myers). Junior: Greece (Myers), Rome (Allan and Leighton), mediæval and modern Europe (Myers). Senior: Mediæval and modern Europe (Myers), Amer. politics (Johnston), polit. econ. Same as in A. B. course.		1
Sophomore: <i>Physiology and hygiene</i> (Dalton, Palmer).	Junior: Mineralogy (Dana). Senior: Mineralogy (Dana), geol. (Le Conte).			
	Senior: Mineralogy, geology.	Freshman: Same as in A. B. course.	Freshman: Drawing. Sophomore, Junior, and Senior: Civil engineering and drawing.	2
Junior: <i>Vegetal struct. and morphology, comp. zoölogy</i> . Senior: <i>Vegetal struct. and morphology, systematic and economic botany</i> .	Junior: <i>Crystallography, terminology, descriptive mineralogy</i> . Senior: <i>Dynamical, structural, and historical geology</i> .	Sophomore: <i>Gen. European U. S. hist.</i> Junior: <i>U. S. hist., comp. constitutional hist., 19th century hist.</i> Junior: <i>Comp., constitutional hist., 19th cent. hist., Rom. law, jurisprudence, political theories, polit. econ.</i> Senior: <i>Hist. of economic thought</i> .		
Same as in A. B. course.	Same as in A. B. course.	Sophomore: <i>Gen. European, U. S. hist.</i> Junior and Senior: Same as in A. B. course.		
Junior: <i>Comp. zoölogy</i> .	Senior: <i>Dynamical, structural, and historical geology</i> .	Freshman: English, XVII century. Sophomore: Gen. European and U. S. hist. Junior: U. S. hist., constitutional hist., 19th century hist. Senior: Comp., constitutional, 19th century, Rom. law, jurisprudence constitutional law, political theories, polit. econ., hist. of economic thought.		
Sophomore: <i>Vegetal struct. and morphology, systematic and economic botany</i> . Junior: <i>Comp. zoölogy, el. and economic entomology</i> . Junior: <i>Comp. zoölogy</i> .	Junior: Mineralogy. Senior: <i>Dynamical, structural, and mineralogical lab'y</i> . Senior: <i>Dynamical, struct. and hist. geology</i> .	Junior: <i>Nineteenth century, polit. econ.</i> Senior: <i>Nineteenth century, hist. of economic thought</i> . Same as in B. S. course in agr.	Sophomore: Mechanical drawing. Junior: Mech. drawing, graphostatics. Senior: Mech. eng., civil eng., construction.	
	Same as in B. S. course in agr.	Same as in B. S. course in agr.	Sophomore: Mech. drawing. Junior: Mech. drawing, graphostatics. Senior: Civil eng., mining, metallurgy, construction, assaying.	



TABLE 28.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Chemistry.	Physics.
2	University of California, Berkeley, Cal.—Continued.	B. S. in Civil Eng.	Same as in B. S. course in mech.	Same as in B. S. course in agr..
		B. S. in Chem.	Freshman and Sophomore: Same as in B. S. course in mech. Junior: Chem. phil., quant. anal. Senior: Org. chem., <i>physiological chem.</i> , quant. anal., <i>agr. chem.</i>	.....
3	University of Colorado, Boulder, Colo.	.....	El. and gen. chem. (Remsen), qual. and quant. anal. (Stoddard, Fresenius), org. chem. (Remsen), advanced org. chem. (Richter, Roscoe), hist. chem. (Ladenburg, Mayer), thermo. chem. (Muir), advanced theoret. and gen. chem. (Muir, Remsen), spectral anal. (Schellen, Vogel), physiological chem. (Gammgee), medical chem.	Gen. physics (Daniell, Glazebrook and Shaw, Janin, Stewart, Pickering), mechanics (Todhunter, Tait and Steele), optics (Parkinson, Heath, Janin, Mueller, Airy), electricity (Maxwell, Mascart and Joubert, Ayrton, Stewart and Gee, Kempe).
4	University of Denver, Denver, Colo.	A. B. .... B. L. ....	Freshman: Chem. (Von Richter), org. chem. (Remsen). Same as in A. B. course. ....	Sophomore: Physics (Ganot). Junior: Phys. lab'y. Same as in A. B. course. ....
		B. S. ....	Freshman: El. and org. chem. Sophomore: Chem. lab'y.	Same as in A. B. course. ....
5	Trinity College, Hartford, Conn.	A. B. ....	Junior: Non-metals and metals (Stoddard), hist. of chem., <i>org. chem.</i> , <i>analyt. chem.</i> , <i>lab'y work</i> . Senior: <i>Qual. and quant. anal.</i>	Sophomore: Physics of solids, liquids, and gases, acoustics (Ganot). Junior: Heat and optics, magnetism, electrostatics, electrodynamics. Senior: <i>Lect. on advanced physics, lab'y work</i> (Kohlrausch).
		B. S. in Letters and Science.	Junior: Non-metals and metals, hist. of chem., org. and analyt. chem., lab'y work.	Sophomore and Junior: Same as in A. B. course. Senior: Lect. on advanced physics, lab'y work.
		R. S. in Science.	Same as in B. S. course in letters and science.	Same as in B. S. course in letters and science.
		B. L. ....	Junior: Nonmetals and metals, hist. of chem.	Same as in A. B. course, omitting <i>lab'y work</i> in Senior yr.

and universities.—PART II—Continued.

*Italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Same as in B. S. course in mech.	Same as in B. S. course in mech.	Same as in B. S. course in agr.	Sophomore: Mech. drawing. Junior: Mapping, graphostatics, civil eng., construction.	2
Same as in B. S. course in mech.	Same as in B. S. course in agr. and <i>petrography</i> in senior year.	Sophomore: <i>Gen. European and U. S. hist. Junior and Senior: Nineteenth century.</i>	Senior: <i>Metallurgy.</i>	
Gen. biology (Sedgwick and Wilson, Huxley and Martin), veg. histology and physiology (Vines, Bower, Sachs, Goodale), comp. osteology (Huxley, Parker and Bertany, Flower), gen. bot. (Bessey, Gray, Coulter, Goebel, DeBary, Sachs), gen. zoölogy (Huxley, Claus, Packard), comp. embryology (Balfour, Had-don).	Crystallography and physical mineralogy (Dana, Groth, Kopp), gen. and stratigraphical geology (Dana, Le Conte), <i>petrography, paleontology.</i>	Gen. hist. of Europe (Fisher), polit. econ. (Mill).		3
.....	Senior: Geology (Dana).	Junior: Polit. econ. (Walker).		4
Freshman: Zoölogy (Orton).	Same as in A. B. course	Sophomore: Hist. of civilization (Guizot). Junior: Polit. econ., int. law (Gallaudet). Senior: Universal hist. (Fisher).		
Same as in B. L. course.	Same as in A. B. course	Sophomore and Junior: Same as in B. S. course.		5
Sophomore: El. botany (Gray), zoölogy (Packard). Junior: <i>Outline study of man</i> (Hopkins), <i>el. biology</i> (Huxley and Martin).	Senior: Geology (Dana), field excursions, <i>crystallography, descrip. mineralogy, conferences in determinative mineralogy</i> (Dana).	Junior: Polit. econ., <i>outlines of Eng. hist.</i> Senior: Hist. of mod. Europe, hist. of mediæval Europe, hist. of Eng. constitution and U. S. constitution, American local institutions, modern European constitutions, <i>phil. of hist.</i> (Guizot or Schlegel).		
Freshman: Outline study of man (Hopkins). Sophomore: Same as in A. B. course. Junior: El. biology.	Same as in A. B. course	Freshman: Outlines of Eng. hist., U. S. hist. (Eliot). Junior: Polit. econ. Senior: Hist. of mod. Europe, hist. of Eng. const., U. S. const., Amer. local inst., mod. European const., <i>phil. of hist.</i>		
Sophomore: Same as in A. B. course. Junior: El. biology.	Senior: Geology (Dana), field excursions, <i>crystallography, descrip. mineralogy, conferences in determinative mineralogy</i> (Dana).	Sophomore: Same as Freshman in B. S. course in letters and science. Junior: Polit. econ. Senior: hist. of mediæval Europe, hist. of Eng. const., U. S. const., Amer. local institutions, mod. European const., <i>phil. of hist.</i>		
Sophomore: Outline study of man, el. bot., zoölogy. Junior: <i>El. biology.</i>	.....	Freshman: Same as in B. S. course in L. and S. Junior: Polit. econ. Senior: Hist. of modern Europe, hist. of mediæval Europe, <i>phil. of hist.</i> , polit. econ., hist. of Eng. const., U. S. const., Amer. local inst., mod. European constitutions.		

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
6	Wesleyan University, Middletown, Conn.	A. B. ....	Sophomore: El. chem. Junior: <i>Qual. anal.</i> Senior: <i>Quant. anal., org., theoret., and physiological chem.</i>	Sophomore: El. physics (Lodge's el. mech., Stewart's el. physics). Junior: <i>Sound and light, elec. and heat</i> (Thompson, Stewart), <i>pract. physics.</i> Senior: <i>Pract. physics.</i>
		Ph. B. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		B. S. ....	Freshman: El. chem. Sophomore: <i>Qual. anal.</i> Junior: Same as in Senior in A. B. course. Senior: <i>Advanced work.</i>	Freshman: El. physics. Sophomore: Same as in Junior in A. B. course. Junior: <i>Pract. physics.</i>
7	Yale University, New Haven, Conn.	A. B. ....	Junior: <i>Exp. org. and inorg. chem., analyt. chem.</i>	Junior: Liquids, gases, sound, light, heat, electricity, and magnetism (Ganot). Senior: <i>Pract. physics.</i>
8	Sheffield Scientific School, New Haven, Conn. (three-year courses).	B. S. in Chem.	Freshman: Chem. (Mixer). Junior: Org. chem., qual. anal., quant. anal. Senior: Org. and theoret. chem., agr. chem., quant. anal., analyt. chem., <i>assaying.</i>	Freshman: Physics .....
		B. S. in Civil Eng.	Freshman: Chem. (Mixer)...	Freshman: Physics .....
		B. S. in Mech.	Same as in B. S. course in civil eng.	Freshman: Physics. Senior: <i>Electricity.</i>
		B. S. in Agr.	Freshman and Junior: Same as in B. S. course in chem. Senior: Agr. chem.	Same as in B. S. course in chem.
		B. S. in Nat. Hist.	Freshman: Same as in B. S. course in chem. Junior: Org. chem., qual. anal.	Same as in B. S. course in chem.
		B. S. in Biology.	Freshman: Same as in B. S. course in chem. Junior: Org. chem., qual. anal. Senior: Physiological chem., org. and theoret. chem.	Same as in B. S. course in chem.
9	Columbian University, Washington, D. C.	A. B. ....	Sophomore: Lectures and lab'y (Shepard). Senior: <i>Qual. and quant. anal.</i>	Freshman: Physics (Avery), lectures.
		B. L. ....		
		B. S. ....	Same as in A. B. course .....	Same as in A. B. course .....



and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History.	Technics.	
Sophomore: <i>Botany</i> (Gray). Junior: <i>Physiology</i> (Martin), <i>zoology</i> . Senior: <i>Pract. biology</i> .	Sophomore: <i>Physical geog.</i> (Geikie). Junior: <i>El. geology</i> (Le Conte), <i>mineralogy</i> (Dana, Brush). Senior: <i>Advanced geology</i> .	Junior: Constitution of U. S., <i>hist. of Eng. and France</i> , <i>U. S. hist.</i> Senior: <i>Pol. econ.</i> and <i>statistics</i> (Walker), <i>hist. of institutions</i> (Wilson's the State). Same as in A. B. course.	.....	6
Freshman: <i>Botany</i> . Sophomore: <i>Zoology</i> . Junior: <i>Physiology</i> . Senior: Same as in A. B. course.	Freshman: <i>Physical geog.</i> Junior and Senior: Same as in A. B. course.	Same as in A. B. course.	.....	
Freshman: <i>Bot.</i> Sophomore: <i>Physiology</i> , <i>zoology</i> . Junior and Senior: <i>Pract. biology</i> .	Freshman: Same as in Ph. B. course. Sophomore: <i>El. geol.</i> , <i>mineralogy</i> . Junior: <i>Advanced geol.</i>	Same as in A. B. course.	.....	7
Junior: <i>Botany</i> , <i>physiology</i> (Huxley). Senior: <i>Comp. anat. and histology</i> (Huxley and Martin's biology).	Junior: <i>Mineralogy and crystallography</i> . Senior: Same as in Junior and <i>petrography</i> , <i>geology</i> .	Junior: <i>El. pol. econ.</i> , <i>medieval hist.</i> , <i>Amer. hist.</i> Senior: <i>El. pol. econ.</i> , <i>advanced pol. econ.</i> , <i>finance</i> , <i>social science</i> , <i>industrial hist. of the U. S.</i> , <i>mod. econ. theories</i> , <i>law</i> , <i>Eng. hist.</i> , <i>hist. of Europe since 1879</i> , <i>medieval hist.</i> , <i>beginning of the middle ages</i> .	.....	
Freshman: <i>Bot.</i> (Gray). Senior: <i>Zoology</i> .	Freshman: <i>Physical geog.</i> Junior: <i>Mineralogy</i> . Senior: <i>Geology</i> (Dana), <i>mineralogy</i> .	.....	Freshman: <i>Drawing</i> . Senior: <i>Metallurgy</i> .	8
Freshman: <i>Bot.</i> .....	Freshman: <i>Physical geog.</i> Senior: <i>Mineralogy</i> , <i>geology</i> .	.....	Freshman and Junior: <i>Drawing</i> . Senior: <i>Drawing</i> , <i>field eng.</i> (Henck), <i>civil eng.</i> , <i>dynamics</i> , <i>hydraulics</i> .	
Same as in B. S. course in civil eng.	Freshman: Same as in B. S. course in chem.	.....	Freshman: <i>Drawing</i> . Junior: <i>Drawing</i> , <i>mechanism</i> , <i>study of steam-engine</i> . Senior: <i>Applied mech.</i> , <i>designing</i> , <i>steam-engine</i> .	
Freshman and Junior: <i>Bot.</i> Senior: <i>Bot.</i> , <i>zoology</i> , <i>physiology</i> .	Freshman: <i>Physical geog.</i> Senior: <i>Geology</i> .	.....	Freshman: <i>Drawing</i> . Senior: <i>Agriculture</i> , <i>meteorology</i> , <i>sanitary science</i> and <i>public health</i> , <i>heredity</i> and <i>stock breeding</i> .	
Freshman: <i>Bot.</i> Junior: <i>Bot.</i> , <i>zoology</i> , <i>physiology</i> , <i>embryology</i> . Senior: <i>Botany</i> , <i>anat. of vertebrates</i> (Huxley), <i>zoology</i> .	Freshman: Same as in B. S. course in chem. Junior: <i>Mineralogy</i> , <i>physical geog.</i> Senior: <i>Geology</i> .	.....	Senior: <i>Meteorology</i> , <i>principles of breeding</i> , <i>laws of heredity</i> , <i>sanitary science</i> .	
Freshman: <i>Bot.</i> Junior: <i>Comp. anat.</i> and <i>histology</i> , <i>physiology</i> , <i>embryology</i> , <i>bot.</i> Senior: <i>Zoology</i> , <i>botany</i> .	Same as in B. S. course in chem.	.....	Senior: <i>Principles of breeding</i> , <i>laws of heredity</i> , <i>sanitary science</i> .	
Junior: <i>Physiology</i> , <i>zoology</i> .	Junior: <i>Geology</i> .....	Senior: <i>Pol. econ.</i> (Wayland), <i>international law</i> (Gallaudet), <i>lect. on the successive evolutions of civilization and on the phil. of hist.</i>	.....	9
Same as in A. B. course	Same as in A. B. course	Same as in A. B. course.	.....	
Same as in A. B. course	Same as in A. B. course	Same as in A. B. course.	.....	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
10	Corcoran Scientific School, Washington, D. C.	B. S. ....	Freshman: Org. and inorg. chem. Senior: Indust. chem. (lectures).	Sophomore: Physics (lectures), mech. Junior: Mech.
		C. E. ....	Freshman: Same as in B. S. course.	Same as in B. S. course. ....
		B. S. in Chem. or Metallurgy.	Freshman: Chem. (lectures). Sophomore: Qual. anal. Junior: Quant. anal., volumetric anal. Senior: Indust. chem., org. anal., assaying.	Sophomore: Physics (lectures).
11	Georgetown University, Washington, D. C.	A. B. ....	Sophomore: Chem. (Avery). Junior: Qual. anal., lab'y work.	Senior: Physics (Ganot), electricity and magnetism (Thompson).
12	Howard University, Washington, D. C.	A. B. ....	Junior: Chem. ....	Sophomore: Physics. ....
13	University of Georgia, Athens, Ga.	A. B. ....	Junior: Gen. chem. Senior: Indust. and agr. chem.	Junior: El. mech., hydrostatics, pneumatics, acoustics, heat (Ganot). Senior: optics, magnetism, elec., meteorology, astronomy (Holcomb and Holden).
		B. S. ....	Same as in A. B. course. ....	Junior: Same as in A. B. course and physical lab'y. Senior: Same as in A. B. course and mech. (Parkinson), phys. lab'y.
		Ph. B. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		B. Agr. ....	Junior: Chem. Senior: Indust. chem., agr. chem., agr. anal.	Junior: Physics, mechanics of solids, liquids, and gases, acoustics, heat. Senior: Light, magnetism, elec., meteorology.
		B. C. E. ....	Junior: Chem. Senior: Indust. chem., lab'y work.	Same as in B. Agr. course and phys. lab'y work.
		B. C. S. ....	Junior: Gen. chem., lab'y work. Senior: Indust. chem., lab'y work.	Same as in B. Agr. course. ....
14	Atlanta University, Atlanta, Ga.	A. B. ....	Junior: Chem. ....	Junior: Peck's Ganot. ....
15	Emory College, Oxford, Ga.	A. B. ....	Senior: Chem. (Eliot and Storer).	Junior: Physics (Snell's Olmsted).
		B. S. ....	Third year: Same as in A. B. course.	Second year: Same as in A. B. course.

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Sophomore: Bot. Junior: Zoology. Senior: Anthropology. Sophomore: Bot.....	Sophomore: Mineralogy. Junior: Geology.  Same as in B. S. course	Junior: Hist. Senior: Const. hist., international law.  Junior: Hist. of civilization.	Freshman: Mech. drawing. Junior: Meteorology.  Freshman: Mech. drawing. Junior: Drawing, strength of materials. Senior: Engineering, metallurgy, construction.	10
.....	Sophomore: Mineralogy (lectures). Junior: Geology.	.....	Freshman: Mech. drawing. Junior: Meteorology. Senior: Metallurgy, construction of furnaces, building materials.	11
.....	Senior: Geology (Le Conte).	Freshman: Hist. of England (Burke's Lingard's). Sophomore: Hist. of U. S. (Stephens), church hist. Junior: Hist. of const. of U. S., church hist.	.....	12
Sophomore: Botany (Gray). Junior: Anat. and Physiology (Hitchcock), Zoology (Orton).	Junior: Mineralogy (Winchell). Senior: Geology (Winchell).	Junior: Gen. hist. Senior: Int. law (Gauldet), science of gov. (Alden), polit. econ. (Chapin's Wayland).	.....	13
Junior: Gen. biology. Senior: Animal and veg. physiology, embryology.	Junior and Senior: Mineralogy and geology.	Freshman: U. S. hist. (Stephen). Sophomore: Dr. Smith's hist., concise hist. of France (Guizot). Senior: Polit. econ. (Wayland), parliamentary law (Mell), hist. of Rome (Liddell), hist. of Greece (Smith).	.....	14
Same as in A. B. course.	Junior and Senior: Geology.	Freshman and Sophomore: Same as in A. B. course.	.....	15
Same as in A. B. course.	Same as in B. S. course.	Freshman and Sophomore: Same as in A. B. course. Senior: Polit. econ., parliamentary law.	.....	16
Junior: Biology.....	Junior and Senior: Mineralogy and geology.	Freshman: Hist. Sophomore: Hist.	Freshman: Drawing. Sophomore: Geometrical drawing. Junior: Agr. Senior: Agr., rural engineering.	17
.....	Same as in B. Agr. course.	.....	Freshman and Sophomore: Same as in B. Agr. course. Junior: Drawing. Senior: Engineering.	18
Same as in B. Agr. course.	Same as in B. Agr. course.	.....	.....	19
.....	Junior: Geology (Le Conte).	Senior: Polit. econ. (Wayland), hist. of civilization (Guizot). Senior: Polit. econ., parliamentary law (Roberts).	.....	20
Senior: Physiology (Hooker).	Senior: Geology (Dana).	Third year: Polit. econ.	Senior: Civil engineering.	21
Third year: Same as in A. B. course.	Third year: Same as in A. B. course.	Third year: Polit. econ.	Third year: Same as in A. B. course.	22



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
16	Illinois Wesleyan University, Bloomington, Ill.	A. B. ....	Junior: Chem .....	Sophomore: <i>Physics</i> .....
		B. S. ....	Same as in A. B. course .....	Same as in A. B. course .....
		Ph. B. ....	Sophomore: Chem. Junior: lab'y work., chem.	Same as in A. B. course .....
17	Northwestern University, Evanston, Ill.	A. B. ....	Junior and Senior: <i>Chem</i> .....	Junior: Mech., heat and sound, light, <i>pract. physics</i> . Senior: <i>Electricity, pract. physics</i> .
		Ph. B. ....	Same as in A. B. course .....	Same as in A. B. course .....
		B. S. ....	Sophomore: Chem. Junior: <i>Chem.</i>	Junior: Same as in A. B. course
		B. L. ....	Same as in A. B. course .....	Junior: Mech., heat, sound, light.
18	Knox College, Galesburg, Ill.	A. B. ....	Junior: Chemistry .....	Sophomore and Junior: Snell's Olmsted.
		B. S. ....	Same as in A. B. course .....	Same as in A. B. course .....
19	Illinois College, Jacksonville, Ill.	A. B. ....	Junior: Chemistry (Remsen) .	Junior: Physics .....
		Ph. B. ....	Sophomore: Chemistry .....	Same as in A. B. course .....
		B. S. ....	Junior: Chemistry, laboratory work.	Same as in A. B. course and lab'y work.
20	Lake Forest University, Lake Forest, Ill.	A. B. ....	Junior: Chemistry. Senior: <i>Chemistry</i> .	Junior: Mechanics, acoustics, heat, optics. Senior: Electricity, <i>exp. physics</i> .
		B. S. ....	Sophomore: Chemistry .....	Junior: Mechanics, acoustics, heat, optics, electricity, Senior: <i>Exp. physics</i> .

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: Physiology. Sophomore: Zoölogy.	Senior: Mineralogy, geology.	Freshman and Sophomore: Gen. hist. Junior: Hist. of civilization, polit. econ. Senior: Int. law, hist. of art.	.....	16
Freshman: Physiology, struct. botany. Sophomore: Zoölogy.	Same as in A. B. course.	Freshman: Civil government, gen. hist. Sophomore, Junior, and Senior: Same as in A. B. course.		
Freshman: Microscopy, physiology, struct. botany. Sophomore: Zoölogy.	Same as in A. B. course.	Freshman: Amer. hist., civil government, hist. of Constitution, gen. hist. Sophomore: <i>Modern European hist.</i> , gen. hist., hist. of civilization, polit. econ. Junior: <i>Modern European hist.</i>	.....	17
Sophomore: Comp. zoology, botany. Junior: Zoölogy. Senior: Biology.	Junior: <i>Geology, mineralogy.</i> Senior: <i>Geology.</i>	Junior: <i>Hist.</i> Senior: Polit. econ., hist. of civilization, <i>hist. polit. econ., const. law, international law.</i>	.....	
Sophomore: Comp. zoology, botany. Junior: Zoölogy. Senior: Biology.	Same as in A. B. course.	Same as in A. B. course		
Sophomore: Comp. zoology, struct. botany, microscopy, anat. Junior: Zoölogy. Senior: Biology.	Junior: Geology, mineralogy. Senior: Geology.	Same as in A. B. course.		
Same as in Ph. B. course.	Junior: Same as in B. S. course. Senior: <i>Geology.</i>	Junior: Hist., <i>hist.</i> Senior: Hist. of civilization, <i>polit. econ., hist. const. law, international law.</i>	.....	18
Junior: Anat. and physiology (Huxley and Youmans), Botany (Gray). Senior: Zoölogy (Tenney). Same as in A. B. course	Senior: Geology (Dana)	Senior: Polit. econ., int. law, const. hist.	.....	
.....	Same as in A. B. course	Sophomore: Eng. hist. Senior: Same as in A. B. course.	.....	19
Junior: Anat. and physiology.	Junior: Geol. or mineralogy (Dana).	Junior: Eng. hist. Senior: Polit. philos., polit. science.	.....	
Freshman: Advanced botany, plant physiology and histology, anat. and physiology, cryptogamic botany. Sophomore: Biology, invertebrate zoölogy, entomology, microscopy.	Same as in A. B. course	Sophomore: Gen. hist. Junior and Senior: Same as in A. B. course.		
Junior and Senior: <i>Biology.</i>	Same as in A. B. course	Freshman: Gen. hist. Junior and Senior: Same as in A. B. course.		
.....	Senior: Senior: Geology .....	Freshman: Ancient hist. Junior: Medieval hist., <i>Eng. hist., French hist., U. S. hist.</i> Senior: Economics, hist. of government, <i>hist. of civilization, hist. of art, economics, Rom. law.</i>	.....	20
Freshman: Gen. biology, comp. anat. and physiology of invertebrates, struct. and development of plants. Sophomore: Comp. anat. and physiology of vertebrates, embryology. Junior and Senior: Same as in A. B. course.	Senior: Geology .....	Same as in A. B. course.		

TABLE 23.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Chemistry.	Physics.
21	University of Illinois, Urbana, Ill.	A. B. ....	Junior: Chem.....	Junior: Physics .....
		B. L. ....	Junior: Chem.....	Same as in A. B. course.....
		B. S. in Agr.	Freshman: Chem. Sophomore: Agr. chem., lab'y work. Senior: Lab'y work.	Junior: Physics .....
		B. S. in Mech.	Junior: Chem.....	Same as in A. B. course.....
		B. S. in Civ. Eng.	Same as B. S. in mech. eng.....	Same as in A. B. course.....
		B. S. in Min. Eng.	Freshman and Sophomore: Chem. Junior: Assaying.	Sophomore: Physics.....
		B. S. in Arch.	Same as in A. B. course.....	Same as in A. B. course.....
		B. S. in Chem.	Freshman: Gen. and applied chem., org. chem., lab'y practice. Sophomore: Agr. chem., lab'y work. Junior and Senior: Lab'y work.	Same as in A. B. course.....
22	DePauw University, Greencastle, Ind.	B. S. in Nat. Hist.	Freshman: Chem.....	Junior: Same as in A. B. course
		A. B. ....	Junior: El. chem.....	Junior: Mechanics, acoustics, heat, and magnetism (Olmsted's College Philosophy), hydrostatics, pneumatics, optics, electricity. Senior: Lab'y work.



and universities.—PART II—Continued.

*Italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Sophomore: Physiology, zoölogy.	Senior: Physiography, geology.	Junior: Ancient hist., mediæval hist., modern hist. Senior: Hist. of civilization, const. hist., polit. econ.	.....	21
Sophomore: Physiology or botany, zoölogy or botany.	Senior: Geology.....	Same as in A. B. course.	Freshman: Free-hand drawing.	
Freshman: Entomology. Sophomore: Botany, zoölogy, veg. physiology. Junior: Anat. and physiology.	Junior: <i>Geology</i> . Senior: Physiography.	Senior: Hist. of civilization, const. hist., polit. econ., hist. of agriculture and rural law.	Freshman: <i>Free-hand drawing</i> . Junior: Agr. engineering, arch., animal husbandry, veterinary science, landscape gardening.	
.....	.....	Senior: Const. hist., polit. econ.	Freshman: Shopwork, drawing. Sophomore: designing and construction of machines, engineering materials. Junior: Mechanism. Senior: Heat engines, drawing, hydraulic engines and wind wheels, dynamo-electric machinery, millwork.	
.....	Same as in B. L. course	Same as in B. S. in Mech. Eng.	Freshman: Shopwork, drawing. Sophomore: theory of instruments. Junior: Railroad eng., resistance of materials. Senior: Mine attacks, bridges, stone work, bridge construction.	
.....	Junior: Mineralogy, geology. Senior: eng. geology.	Same as in B. S. in Mech. Eng.	Freshman: Drawing. Sophomore: Theory of instruments. Junior: Mine attack, metallurgy, resistance of materials. Senior: Mine engin., heat engines, mine administration, hydraulic engines and wind wheels.	
.....	.....	Senior: Same as in A. B. course.	Freshman: Drawing, shop practice. Sophomore: Construction, drawing, modeling, designing, sketching. Junior: Drawing, hist. of arch. Senior: Esthetics of arch., designing.	
Freshman: Physiology or bot., microscopy, veg. physiology.	Junior: Mineralogy. Senior: Geology.	Same as in B. S. in Mech. Eng.	Freshman: Drawing.	
Freshman: Entomology. Sophomore: Zoology, bot., veg. physiology. Junior: Anat. and physiology. Senior: Biology, microscopy.	Junior: Mineralogy, geology.	Same as in A. B. course.	Same as in B. S. in Chem.	
Junior: <i>Botany</i> , zoology, <i>physiology</i> . Senior: <i>Botany</i> , zoology, <i>physiology</i> .	Senior: <i>Mineralogy</i> ...	Sophomore: Ancient, mediæval, and modern hist. Junior: <i>Const. hist. of U. S.</i> , Federal and State const. (Andrews), theory of the state (Bluntschli). Senior: Pol. econ. (Thompson), int. law (Woolsey), hist. of civilization (Guizot)	.....	22

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
22	DePauw University, Greencastle, Ind.— Continued.	Ph. B. ....	Freshman: El. chem. Junior: Qual. anal., <i>quant. anal.</i>	Same as in A. B. course .....
		B. S. ....	Same as in Ph. B. course.....	Same as in A. B. course.....
		B. L. ....	Junior: <i>El. chem</i> .....	Junior: <i>Mech., acoustics, heat, magnetism, hydrostatics, pneumatics, optics, elec.</i> Senior: <i>Lab'y work.</i>
23	Purdue University, La Fayette, Ind.	B. S. in Agr.	Junior: Gen. chem. Senior: <i>Chem.</i>	Sophomore: El. physics; dy- namics, heat, elec., sound, light.
		B. M. E. ....	Same as in B. S. course in Agr.	Sophomore: Physics. Junior: Heat. Senior: <i>Applied elec- tricity.</i>
		B. C. E. ....	Junior: Gen. chem. ....	Sophomore: Physics .....
		B. S. in Sci- ence.	Junior: Gen. chem., lab'y work, <i>qual. anal.</i> Senior: <i>Qual. anal., quant. anal., org. chem.</i>	Sophomore: Same as in B. S. course in Agr. Junior: <i>Pract. physics.</i> Senior: <i>Ap- plied elec.</i>
		B. S. in Ind. Art.	Junior: Gen. chem. ....	Same as in B. S. course in Agr.
24	Rose Polytechnic Institute, Terre Haute, Ind.	B. S. ....	Freshman: El. chem. Soph- omore: Chem. and chem. lab'y. Senior: Chem. tech- nology.	Freshman: El. physics. Jun- ior: Sound, light, heat, and elec. Senior: Thermody- namics, lab'y work.
25	University of Notre Dame, Notre Dame, Ind.	A. B. ....	Junior: Theoretical chem., inorg. chem.	Junior: Physics, mechanics, acoustics, heat, optics, mag- netism, electricity.
		B. S. ....	Junior: Same as in A. B. course. Senior: Analyt. chem.	Junior: Same as in A. B. course. Senior: Gen. phys- ics.
26	Iowa College, Grin- nell, Iowa.	A. B. ....	Junior: Analyt. chem. ....	Sophomore: Physics, me- chanics.

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Same as in A. B. course	.....	Same as in A. B. course.	.....	22
Same as in A. B. course Junior: <i>Bot., zoology, physiology.</i> Senior: Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course. Same as in A. B. course.		
Freshman: Bot. Sophomore: Bot., zoology. Junior: Economic bot., entomology, bot., zoology. Senior: Human physiology, bot., zoology.	Senior: Geology.....	Sophomore: Hist. Junior: <i>Hist.</i> Senior: <i>Political economy.</i>	Freshman: Elements of agr., drawing, shopwork. Sophomore: Agr., hort., vet. science. Junior: Agr., hort., vet. science, <i>shopwork.</i> Senior: Agr., hort., vet. science.	23
.....	.....	Sophomore: Hist. Senior: Polit. econ.	Freshman: Mechanical draw., shopwork. Sophomore: Mech. draw., shopwork. Junior: Prin. of mechanism, mech. draw., metallurgy. Senior: Steam engine, boilers, strength of materials, machine design, mech. draw., exp. work in engineering.	
.....	Senior: Geology .....	Same as in B. M. E. course.	Freshman: Same as in B. M. E. course. Sophomore: Mech. draw., field practice. Junior: Roads and railroads, stereotomy, prin. of mech., mech. draw., metallurgy. Senior: Graphical and analrt. statics, mech. of engineering, geodesy, roads and pavements, engineering designing, steam engine.	
Freshman: Bot. Sophomore: Zoology, bot. Junior: <i>Bot., zoology.</i> Senior: Human physiology, bot., zoology. Senior: Human physiology.	Senior: Geology .....	Sophomore and Junior: Hist. Senior: Polit. econ.	Freshman: Drawing.	
.....	Same as in B. S. course in Science.	Sophomore: Hist. Junior: <i>Hist.</i> Senior: Polit. economy.	Industrial art throughout the course.	
.....	Sophomore: Mineralogy. Senior: Geology.	Senior: Constitution of the U. S.	Freshman: Free-hand draw., practice, mech. draw. Sophomore: Free-hand and mech. draw., practice. Junior: Mech. draw., practice. Senior: practice.	24
Sophomore: Human anat., physiology and hygiene (Martin). Junior: Botany (Bessey), practice in plant analysis (Kellerman).	Senior: Geology and paleontology (Dana).	Freshman: Modern hist. Sophomore: Hist. of England (Burke's Lingard). Senior: Phil. of hist.	.....	25
Freshman: Anat., physiology, hygiene, microscopy, zoology (Holder), biological lab'y. Sophomore: Bot., lab'y work, cellular biology.	Junior: Mineralogy (Collins), lab'y work. Senior: Same as in A. B. course.	Same as in A. B. course.	Freshman and Sophomore: Drawing.	
Freshman: <i>Bot.</i> Senior: Zoology.	Senior: Geology .....	Sophomore and Junior: <i>Hist.</i> Senior: <i>Polit. econ., international law.</i>	Senior: <i>Didactics, æsthetics.</i>	26



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
26	Iowa College, Grinnell, Iowa—Continued.	B. S. ....	Freshman: <i>Analyt. chem.</i> Sophomore: <i>Quant. anal.</i>	Sophomore: Same as in A. B. course. Junior: Lab'y work.
		B. L. ....	Same as in A. B. course. ....	Sophomore: <i>Mechanics, physics.</i>
27	State University of Iowa, Iowa City, Iowa.	A. B. ....	Junior and Senior: <i>Chem.</i> ....	Sophomore: <i>Physics, mechanics, heat, magnetism, elec., sound, light.</i> Junior: <i>Physics.</i>
		B. S. ....	Junior: Gen. exp. chem., gen. chem., lab'y work, qual. anal. Senior: <i>Chem., theoret. and pract. chem.</i>	Sophomore: <i>Mechanics, heat, magnetism, elec., sound, light.</i> Junior and Senior: <i>Physics.</i>
		Ph. B. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		C. E. ....	Junior: <i>Chem.</i> ....	Sophomore: Same as in B. S. course. Junior: <i>Advanced mechanics.</i>
28	University of Kansas, Lawrence, Kans.	B. S. in Gen. Science.	Freshman: <i>Chem. (Remsen), lab'y work.</i> Sophomore: <i>Qual. anal. (Bailey).</i> Junior and Senior: <i>Optional.</i>	Junior and Senior: <i>Optional.</i>
		B. S. in Lat. Scientific Course.	Same as in B. S. course in gen. sci.	Same as in B. S. course in gen. sci.
		A. B. ....	Freshman: <i>Chem. lab'y work.</i> Junior and Senior: <i>Optional.</i>	Same as in B. S. course in gen. sci.
		A. B. in Mod. Lit.	Same as in A. B. course. ....	Same as in B. S. course in gen. sci.
		B. C. E. ....	Freshman and Sophomore: <i>Chem. (Remsen, Bailey).</i>	Sophomore: <i>Physics.</i> Junior: <i>Hydro-mechanics.</i>
		B. S. in Elec. Eng.	Freshman: <i>Gen. chem.</i> Sophomore: <i>Qual. anal., chem. of the metals.</i>	Freshman: <i>Lab'y practice.</i> Sophomore: <i>Mech., sound, static. elec., magnetism, heat, light.</i> Junior: <i>Thermodynamics, elec. measurements, magnetic measurements, chemical physics.</i> Senior: <i>Math. theory of elec. and magnetism, lab'y work, photometry.</i>
29	Kansas State Agricultural College, Manhattan, Kans.	B. S. ....	Second year: <i>El. chem. (Remsen), org. chem., analyt. chem.</i> Third year: <i>Agr. chem.</i>	Third year: <i>Mechanics (Peck), physics.</i> Fourth year: <i>physics.</i>
30	Washburn College, Topeka, Kans.	A. B. ....	Sophomore: <i>Gen. chem.</i> Junior: <i>Analyt. chem., qual. anal.</i> Senior: <i>Quant. anal., analysis of ores.</i>	Junior: <i>Properties of matter, forces, liquids, gases, sound, elec., magnetism, heat, light.</i> Senior: <i>Pract. physics.</i>
		B. S. ....	Same as in A. B. course. ....	Same as in A. B. course. ....

and universities.—PART II—Continued.

italics are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: Microscopy, botany. Sophomore: Zoölogy.	Same as in A. B. course	Sophomore: <i>Hist.</i> Junior: <i>Hist.</i> Senior: <i>Polit. econ., international law.</i>	Senior: Didactics, aesthetics.	26
Freshman: Botany. Sophomore: Zoölogy. Freshman and Sophomore: <i>Bot.</i> Junior: <i>Bot., biology, zoölogy, physiology, comp. anat.</i>	Same as in A. B. course Junior: <i>Geology.</i> Senior: <i>Geology, paleontology.</i>	Same as in B. S. course	Same as in B. S. course	
Freshman: Bot. Sophomore: <i>Bot.</i> Junior: <i>Biology, bot., physiology, comp. anat., histology, systematic zoology.</i> Senior: <i>Bot.</i> Same as in A. B. course	Same as in A. B. course	Sophomore: <i>Grecian hist., Rom hist., mediæval and mod. hist.</i> Junior: <i>Eng. hist., const. law, int. law.</i> Senior: <i>Amer. hist., polit. science, Eng. const. hist., pol. econ.</i>	Senior: <i>Didactics</i> .....	27
		Junior: <i>Mediæval and modern hist., Eng. hist., Eng. const. hist.</i> Senior: <i>Amer. hist., polit. econ., polit. science.</i>	Junior: <i>Engineering, drawing.</i> Senior: <i>Didactics, engineering, draughting.</i>	
	Same as in A. B. course	Same as in A. B. course	Same as in A. B. course. Freshman: Free-hand draw. Sophomore: <i>Draw., roads, streets, and pavements.</i> Junior: Railway location and drawing, engineering. Senior: <i>Engineering.</i>	
Freshman: Bot. Sophomore: <i>Bot., zoölogy.</i> Junior and Senior: Optional.	Junior and Senior: Optional.	Junior and Senior: Optional.	Junior and Senior: Optional.	28
Freshman: Bot. Sophomore: <i>Bot., zoölogy.</i> Junior and Senior: Optional.	Same as in B. S. course in gen. science.	Same as in B. S. course in gen. sci.	Same as in B. S. course in gen. sci.	
Freshman: Bot. Sophomore: <i>Zoölogy.</i> Junior and Senior: Optional. Same as in A. B. course.	Same as in B. S. course in gen. science.	Same as in B. S. course in gen. sci.	Same as in B. S. course in gen. sci.	
Freshman: Bot. ....	Same as in B. S. course in gen. science. Senior: <i>Mineralogy, geology.</i>	Same as in B. S. course in gen. sci.	Same as in B. S. course in gen. sci.	
			Freshman: Drafting. Sophomore: Drafting, field engineering. Junior: Drafting, roads, streets, and pavements; resistance of materials. Senior: <i>Engineering.</i>	
			Freshman: Drafting. Sophomore: Drafting, pract. photography and blueprinting. Junior: Electro-dynamic machinery, machine construction, resistance of materials.	
First year: Bot. (Kellerman). Second year: Entomology. Third year: Anat., physiology. Fourth year: Zoölogy and vet. science, struct. bot.	Second year: Mineralogy (Dana). Fourth year: Geology.	First year: U. S. hist. Third year: Gen. hist. Fourth year: U. S. constitution, polit. econ.	First year: Drawing. Second year: horticulture, agr. or household econ., drawing, military science. Third year: Civil eng., drawing. Fourth year: <i>Agr.</i>	29
Junior: <i>Zoölogy.</i> Senior: <i>Anat. of invertebrates, anat. of vertebrates, biology.</i>	Senior: <i>Geology</i> (Le Conte), field and laboratory work.	Junior: <i>Polit. econ.</i> (Wayland, Chapin). Senior: <i>Hist. of art.</i>		30
Freshman: Bot. Sophomore: <i>Zoölogy.</i> Junior: <i>Anat. of invertebrates, anat. of vertebrates, biology.</i> Senior: <i>Biology.</i>	Same as in A. B. course.	Freshman: Hist. of mediæval and modern times (Myers). Junior and Senior: Same as in A. B. course.	Sophomore: <i>Mech. drawing.</i>	

TABLE 22.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Chemistry.	Physics.
30	Washburn College, Topeka, Kans.— Continued.	B. L. ....	Same as in A. B. course.....	Same as in A. B. course.....
31	Georgetown College, Georgetown, Ky.	A. B. ....	Second year: Chem.....	Fourth year: Physics.....
		B. S. ....	Second year: Chem.....	Same as in A. B. course.....
32	Kentucky University, Lexington, Ky.	A. B. ....	Junior: Chem. Senior: <i>Analyt. chem.</i>	Freshman: Physics.....
		B. S. ....	Junior: Chem. Senior: <i>Analyt. chem.</i>	Same as in A. B. course.....
33	Central University, Richmond, Ky.	A. B. ....	Sophomore: Chem. of non-metals. (Harris' Lecture Notes, Thorpe's Chem. Problems). Junior: <i>Chem. of metals, indus. chem., qual. anal.</i> (Harris), <i>org. chem.</i> (Remsen).	Junior: Physics (Gage), mech. (Dana).
		B. S. ....	Sophomore: Same as in A. B. course. Junior: Chem. of metals, indus. chem., qual. anal., <i>org. chem.</i> Senior: <i>Chem. technology.</i>	Same as in A. B. course.....
34	Tulane University of Louisiana, New Orleans, La.	Classical A. B.	Junior: Org. and inorg. chem. (Bloxam).	Sophomore: Kimball's Olmsted's Natural Philosophy.
		Literary A. B.	Same as in classical course ...	Same as in classical course ...
		Scientific B. S.	Junior: Same as in classical course. Senior: Qual. anal., quantitative, gravimetric, and volumetric analysis, <i>org. anal., chem. lab'y.</i>	Sophomore: Same as in classical course. Junior and Senior: Phys. lab'y.
		Engineering B. S.	Junior: Same as in classical course.	Sophomore and Junior: Same as in scientific course.
35	Bowdoin College, Brunswick, Me.	A. B. ....	Junior: Chem., lab'y. work. Senior: Quant. anal., <i>org. chem.</i>	Sophomore: Mech., hydrostatics, pneumatics, sound (Gaut), heat, light, elec., magnetism. Junior: <i>Physics.</i>
36	Bates College, Lewiston, Me.	A. B. ....	Junior and Senior: Chem. (Eliot and Storer).	Junior: Mech. (Olmsted), nat. phil. (Olmsted).
37	Colby University, Waterville, Me.	A. B. ....	Junior: Chem .....	Junior: Physics, <i>lab'y work.</i>



and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Sophomore: <i>Bot.</i> Junior: <i>Zoology, anat. of vertebrates, biology.</i> Senior: <i>Biology.</i> Fourth year: <i>Physiology, zoology, botany.</i>	Same as in A. B. course.	Sophomore: Same as in Freshman in B. S. course. Junior: <i>Polit. econ., hist. of art.</i>	.....	30
Second year: <i>Physiology, zoology.</i> Fourth year: <i>Botany.</i>	Fourth year: <i>Geology.</i>	Third year: <i>Hist.</i> Fourth year: <i>Polit. econ., polit. science.</i>	Second year: <i>Engineering.</i>	31
Freshman: <i>Anat., physiology.</i> Junior: <i>Zoology, botany.</i>	First year: <i>Physical geog.</i> Fourth year: <i>Geology.</i>	First year: <i>Commercial law.</i> Second year: <i>Hist.</i> Third year: <i>Polit. econ., polit. science.</i>	Third year: Same as in second year in A. B. course.	32
Same as in A. B. course.	Senior: <i>Mineralogy, geology.</i>	Freshman: <i>Hist. of England.</i> Senior: <i>Polit. econ. (Wayland), civil government (Alden).</i>	.....	
Junior: <i>Physiology.</i> Senior: <i>Biology, botany, physiology.</i>	Same as in A. B. course.	Same as in A. B. course.	Junior: <i>Civil eng</i> .....	33
Freshman: <i>Botany.</i> Sophomore: <i>Zoology.</i>	Junior: <i>Geology (Dana).</i> Senior: <i>Geology.</i>	Junior: <i>Rom. hist., European hist.</i> Senior: <i>Polit. econ., Eng. hist., U. S. hist., U. S. constitutional and political hist.</i>	.....	
.....	Freshman: <i>Phys. geog.</i> Junior and Senior: Same as in A. B. course.	Freshman: <i>Ancient hist., Greek and Rom. hist.</i> Junior and Senior: Same as in A. B. course.	Same as in A. B. course.	
Senior: <i>Biology, botany, zoology.</i> Freshman and Sophomore: <i>Biology.</i> Senior: <i>Biological lab'y.</i>	Junior: <i>Montgomery's Leading Facts of Eng. Hist., McCarthy's Our Own Times.</i> Senior: <i>Hist. of Civilization (Guizot), int. law (Woolsey), phil. of hist. (Hegel), sociology (Spencer), democracy in America (De Toqueville).</i>	Junior: Same as in classical course.	.....	34
Freshman: <i>Biology</i> ...	Junior: <i>Geology (Dana).</i> Same as in literary course.	Same as in classical course.	Freshman: <i>Drawing, manual training.</i>	
Freshman: <i>Physiology.</i> Sophomore: <i>Botany (Gray).</i> Junior: <i>Biology (Sedgwick and Wilson), zoology (Packard), physiology (Martin).</i> Senior: <i>Physiology and histology.</i>	Same as in literary course.	Same as in classical course.	Freshman and Sophomore: <i>Manual training and drawing.</i> Junior: <i>Manual training.</i> Senior: <i>Special technical work.</i>	
Junior: <i>Comp. zoology (Orton), botany (Gray).</i>	Junior: <i>Mineralogy.</i> Senior: <i>Mineralogy, geology (Le Conte).</i>	Junior: <i>Eng. hist., modern hist.</i> Senior: <i>Amer. hist., constitutional law (Cooley).</i>	.....	35
Freshman: <i>Physiology.</i> Sophomore: <i>Botany, physiology.</i>	Senior: <i>Geology (Dana).</i>	Freshman: <i>Hist.</i> Junior: <i>Polit. econ. (F. A. Walker).</i>	.....	36
Junior: <i>Mineralogy.</i> Senior: <i>Petrography, geology, historical geology.</i>	Junior: <i>Geology (Dana).</i>	Sophomore: <i>Greek hist.</i> Junior: <i>Hist. of European civilization, polit. econ., the era of the Protestant revolutions.</i> Senior: <i>The French Revolution, const. hist. of the U. S.</i>	.....	37

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
38	St. John's College, Annapolis, Md.	A. B. ....	Junior: <i>Chemistry</i> . Senior: <i>Chem., qual. anal., metals, org. chem.</i>	.....
		B. L. ....	Junior: Chem. Senior: Chem., qual. anal., metals, org. chem.	Sophomore: Mech., hydrostatics, hydrodynamics, pneumatics, sound, heat, light (Ganot). Junior: Elec.
		B. S. ....	Same as in B. L. course.....	Same as in B. L. course .....
		M. E. ....	Same as in B. L. course.....	Same as in B. L. course .....
39	Johns Hopkins University, Baltimore, Md.	Classical .	Third year: Chem. (elective with physics or biology).	Third year: Physics (elective with chem. or biology).
		M a t h . . Phys.	Third year: Gen. chem., lab'y work.	Second year: El. mech, heat, elec., magnet., sound, light, lab'y work. Third year: mech., el. thermodynamics, el. theory of elec. and magnet., sound, light, lab'y work.
		Chem.-Bi- ology.	First year: Gen. chem, lab'y work. Second year: Inorg. chem., chem. of carbon compounds, lab'y work.	First year: Same as second year in mathematical-physical course.
		P h y s . . Chem.	Second and third years: Same as in first and second years in chem.-biolog. course.	Same as in math.-phys. course.
		Lat.-Math.	Same as in classical course....	Same as in classical course ...
		Hist.-Pol..	Same as in classical course ...	Same as in classical course ...
		Mod.Lang.	Second year: Same as third year in classical course.	Second year: Same as third year in classical course.
40	Rock Hill College, Ellicott City, Md.	A. B. ....	Freshman: Chem. (Roscoe). Junior: Inorg. chem. (Eliot and Storer). Senior: Org. chem.	Freshman: El. mech., hydrostatics, pneumatics, heat (Gage). Sophomore: Heat, sound, magnet., elec., light. Junior: Chemical physics.
		B. S. ....	Same as in A. B. course .....	Same as in A. B. course.....
41	Mount St. Mary's College, Mount St. Mary's, Md.	A. B. ....	Second year: Chem. (Avery)..	First year: El. physics (Avery). Third year: Physics (Avery).

and universities.—PART II—Continued.

itics are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
		Freshman: Grecian hist. (Smith), Rom. hist. (Smith). Sophomore: Ancient hist. (Myers), mediæval and modern hist. (Myers). Junior: Polit. econ. Senior: International law, const. law.	Senior: Military science and tactics.	33
		Same as in A. B. course.	Same as in A. B. course.	
Freshman: Zoölogy, botany (Gray). Same as in B. S. course.		Same as in A. B. course.	Same as in A. B. course.	
		Freshman, Junior, and Senior: Same as in A. B. course.	Freshman, Sophomore, and Junior: Shop-work, drawing. Senior: Military science and tactics, drawing.	39
Third year: Biology (elective with chem. or physics).	First year: Physical geog. in relation to hist. Same as in classical course.	First year: Greek and Rom. hist. First year: Greek and Rom. hist. or outlines of European hist.		
Second year: Gen. biology, human and comp. osteology, el. of embryology, plant analysis and el. of botany, lab'y work. Third year: Mammalian anat., animal physiology and histology, el. of zoölogy, lab'y work in physiology or zoölogy.	First year: Phys. geog. in relation to hist. Second year: Mineralogy.	Same as in math.-phys. course.		
	Same as in chem-biology course.	Same as in math.-phys. course.		
Same as in classical course.	Same as in classical course.	Same as in math.-phys. course.		
Same as in classical course.	Same as in classical course.	First year: Same as in math.-phys. course. Second year: Church and Rom. Empire, Italy, Germany, France, Spain, and the Netherlands, el. and hist. of polit. econ. Third year: International law, Eng. const. hist., const. hist. of U. S.		
Second year: Same as third year in classical course.	Same as in classical course.	First year: Hist. of England and of the U. S., Greek and Rom. hist., or outlines of European hist.		
Junior: Botany (Gray). Senior: Botany.	Freshman: Physical geog. (Maury).	Freshman: Modern hist. (Fredet). Sophomore: Hist. of England (Lingard). Junior: Ancient hist. (Rawlinson). Senior: Polit. econ.	Freshman and Sophomore: Drawing.	40
Same as in A. B. course	Freshman: Same as in A. B. course. Senior: Mineralogy (Dana), geology.	Same as in A. B. course.	Freshman, Sophomore, and Junior: Drawing. Senior: Drawing, civil engineering.	41
	Fourth year: Molloy's Geology and Revelation.	First and second years: Hist. of the Church of God (Spalding).		



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
42	Amherst College, Amherst, Mass.	A. B. ....	Sophomore: <i>Chem. of non-metals</i> . Junior: <i>Metals, qual. anal., chem. forces, chem. physics, org. chem.</i> Senior: <i>Quant. anal., chem. theories and philosophy, org. anal. and synthesis.</i>	Junior: Mech. (Ganot), <i>acoustics, elec., light, heat.</i>
		B. S. ....	Freshman and Sophomore: Chem. Junior: <i>Chem.</i>	Junior: Mech., acoustics, elec., light, heat.
43	Boston University, Boston, Mass.	A. B. ....	Junior: <i>Chem.</i> .....	Sophomore: Physics, <i>lab'y work.</i>
44	Massachusetts Institute of Technology, Boston, Mass.	B. S. in C. E.	First year: Gen. chem., chem. lab'y. Fourth year: Metallurgy of iron.	Second year: Physics. Third year: Heat, gen. statics, phys. lab'y.
		B. S. in Mech. Eng.	Same as in B. S. in C. E. ....	Same as in B. S. course in C. E.
		B. S. in Min. Eng.	First year: Same as in B. S. in C. E. Second year: Blowpipe silver assay. Third year: Assaying.	Same as in B. S. in C. E. ....
		B. S. in Metallurgy.	First year: Same as in B. S. in C. E. Second year: Analyt. chem., <i>blowpipe silver assay, theoret. chem.</i> Third year: Analyt. chem., assay-ing, <i>indus. chem., indus. lab'y.</i> Fourth year: Analyt. chem., <i>analyt. chem.</i>	Second year: Physics. Third year: Heat, phys., lab'y, <i>gen. statics, electricity.</i> Fourth year: Heat measurements, electro-metallurgy.
		B. S. in Arch.	First year: Same as in B. S. in C. E.	Second and third years: Same as in B. S. in C. E. Fourth year: Acoustics.

and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: <i>physiology</i> . Sophomore: <i>Botany</i> (Gray). Junior: <i>Biology, zoology</i> (Packard). Senior: <i>Biology, zoology of vertebrates, Nicholson's zoology</i> .	Junior: <i>Mineralogy</i> . Senior: <i>Structural and dynamical geology, historical geology and paleontology, mineralogy</i> .	Junior: <i>Outline of ancient hist., mediæval Europe, the Renaissance, the Reformation, the Eng. and Fr. revolution, gen. hist. of the U. S.</i> Senior: <i>Polit. and const. hist. of the U. S., polit. econ., international law</i> .	.....	42
Freshman: <i>Physiology</i> . Sophomore: <i>Botany</i> . Junior and Senior: Same as in A. B. course.	Same as in A. B. course	Junior: Same as in A. B. course. Senior: <i>Polit. econ.</i>		
Sophomore: <i>Botany</i> . Junior: <i>Biology, zoology, physiology</i> .	Junior: <i>Geology</i> .....	Freshman: <i>Greek and Rom. hist.</i> Sophomore: <i>Hist., hist.</i> Junior: <i>Rom. law</i> . Senior: <i>Const. of the U. S., polit. econ., Rom. law</i> .	.....	43
.....	Second year: <i>Physical geog., mineralogy</i> . Third year: <i>Structural geology, historical geology</i> .	First year: <i>Political hist. since 1815</i> . Second year: <i>Polit. econ.</i>	First year: <i>Drawing, military drill</i> . Second year: <i>Drawing, principles of mechanism</i> . Third year: <i>eng., stereotomy, el. of construction, designing</i> . Fourth year: <i>Engineering</i> .	44
.....	.....	Same as in B. S. in C. E.	First year: Same as in B. S. in C. E. Second year: <i>Drawing, prin. of mechanism, shop-work, mechanism of mill and shop machinery, pattern work</i> . Third year: <i>Drawing, forging, steam engineering, slide valve, link motion, thermodynamics</i> . Fourth year: <i>Steam eng., hydraulics, dynamics of machines, machine design, eng. lab'y, shop work, marine eng., mill eng., locomotive construction</i> .	
.....	Second year: <i>Determinative mineralogy, physical geog.</i> Third year: <i>Geology</i> .	Same as in B. S. in C. E.	First year: Same as in B. S. in C. E. Second year: <i>Drawing, prin. of mech.</i> Third year: <i>Mining, steam engineering, drawing, railroad engineering</i> . Fourth year: <i>Ore dressing, metallurgy, mining lab'y, dynamo machinery, engineering</i> .	
.....	Second year: <i>Determinative mineralogy</i> .	Same as in B. S. in C. E.	First year: Same as in B. S. in C. E. Second year: <i>Prin. of mechanism, drawing</i> . Third year: <i>Steam eng., drawing, eng. lab'y</i> . Fourth year: <i>Dynamo machinery</i> .	
.....	Third year: <i>Structural geology</i> .	Same as in B. S. in C. E.	First year: Same as in B. S. in C. E. Second year: <i>Arch. hist., pencil sketching, charcoal sketching, original design</i> .	

TABLE 28.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Chemistry.	Physics.
44	Massachusetts Institute of Technology, Boston, Mass. —Continued.			
		B. S. in Chem.	First year: Same as in B. S. in C.E. Second year: Analyt. chem., theoret. chem., blowpipe anal. Third year: Analyt. chem., lab'y work, indus. chem., theoret. chem., assaying, <i>sanitary chem., indus. chem.</i> Fourth year: Org. anal., org. chem., metallurgy, <i>sanitary chem., analyt. lab'y, org lab'y, indus. lab'y, metallurgical lab'y.</i>	Second year: Physics. Third year: Heat, phys. lab'y, <i>electricity.</i> Fourth year: Phys. lab'y, <i>physics.</i>
		B. S. in Elec. Eng.	First year: Same as in B. S. in C.E.	Second year: Physics, mech., acoustics, elec., phys. lab'y. Third year: Heat, phys. lab'y, elec. Fourth year: Electrical testing, advanced physics, photometry, hydraulics, physical research, <i>phys. lab'y.</i>
		B. S. in Biology.	First year: Same as in B. S. in C.E. Second year: Analyt. chem. Third year: Org. chem., sanitary chem.	Second year: Physics. Third year: Heat, phys. lab'y.
		B. S. in Physics.	First year: Same as in B. S. in C.E. Second year: Analyt. chem., theoret. chem. Third year: Org. chem., theoret. chem. Fourth year: <i>Chem.</i>	Second year: Same as in B. S. in Elec. Eng. Third year: Heat, phys. lab'y, optics or <i>elec., physics.</i> Fourth year: Phys. lab'y, gen. physics, advanced physics, principles of scientific investigation, photography, photometry, thermodynamics, physical research, hist. of physical science.
		B. S. in gen. studies.	First year: Same as in B. S. in C.E.	Second year: Physics. Third year: Heat, <i>phys. lab'y.</i>



and universities.—PART II—Continued.

*Italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.
			Third year: Drawing, sketching, designing, iron construction, stereotomy. Fourth year: Hist. of ornament, specifications, construction, modeling, sketching, drawing.
	Second year: <i>Phys. geog., mineralogy.</i> Third year: <i>Geology.</i>	Same as in B. S. in C. E.	First year: Same as in B. S. in C. E.
		Same as in B. S. in C. E.	First year: Same as in B. S. in C. E. Second year: Prin. of mechanism, carpentry, wood-turning, draw., metal-turning. Third year: Steam eng., draw., eng. lab'y. Fourth year: Tech. applications of elec., steam eng., dynamics of machines, eng. lab'y, precision of measurements.
Second year: Gen. biology, zoölogy, biology of micro-organisms, el. botany. Third year: Comp. anat., cryptogamic botany, anthropology, comp. embryology. Fourth year: Comp. physiology, microscopic anat., sanitary biology, higher biology, bacteriology.	Second year: <i>Phys. geog., mineralogy.</i> Third year: Struct. and chem. geology, historical geology.	First and second years: Same as in B. S. in C. E. Fourth year: Hist. of nat. science, Hist. of the Renaissance.	First year: Same as in B. S. in C. E.
Third year: Physiology of the senses.		Same as in B. S. in C. E.	First year: Same as in B. S. in C. E.
Second year: Gen. biology and zoölogy. Third year: A thropology. Fourth year: Physiology.	Second year: <i>Phys. geog.</i> Third year: Struct. geol., historical geology.	First year: Same as in B. S. in C. E. Second year: Pol't. hist. of Eng. and the U. S. polit. econ., economic problems. Third year: Hist. and lit. of the Renaissance and the Reformation, statistics, financial hist. of the U. S., hist. of commerce or of industry, <i>hist. of arch., hist. of Eng. in 16th and 17th centuries, political science.</i> Fourth year: Comp. politics, taxation, administration,	First year: Same as in B. S. in C. E. Second year: Shopwork. Third year: <i>Forging.</i> Fourth year: Railway management, sanitary science.

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
44	Massachusetts Institute of Technology, Boston, Mass. —Continued.			
		B. S. in Chem. Eng.	First year: Same as in B. S. in C. E. Second year: Analyt. chem. Third year: Indus. chem., org. chem., lab'y work. Fourth year: Metallurgy, applied chem., org. chem., thermo-chem. and fuel examination.	Same as in B. S. in C. E. ....
		B. S. in Sanitary Eng.	First year: Same as in B. S. in C. E. Second year: Org. chem., analyt. chem. Third year: Analyt. chem., water analysis. Fourth year: Air analysis., chem. of natural waters.	Same as in B. S. in C. E. ....
45	Harvard University, Cambridge, Mass.	A. B. ....	Freshman: El. chem. Electives—Exp. chem., gen. descrip. chem., qual. anal., quant. anal., carbon compounds, advanced problems in inorg. chem., special advanced study and research, determination of atomic weights, aromatic compounds, org. chem., inorg. chem.	Freshman: Physics. Electives—Exp. physics, gen. descrip. physics, sound and color, electro-statics, electro-kinematics, and parts of electro-magnetism, electro-dynamics magnetism and electro-magnetism light, thermo-dynamics, dynamos, heat engines, mathematical theory of electro-statics and electro-kinematics, math. theory of electro-dynamics and electro-magnetism, special advanced study and research, spectrum analysis, electro-static measurements, sound and elasticity, electro-magnetism.

and universities.—PART II—Continued.

*Italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
		<p>hist. of nat. science, international law, business law, constitutional hist., hist. of commerce or of industry, banking and finance, hist. of economic theory, <i>the era of the French Revolution, political science, studies in the local hist. of the U. S.</i></p> <p>First year: Same as in B. S. in C. E. Fourth year: Polit. econ.</p>		44
<p>Third year: Gen. biology, biology of micro-organisms. Fourth year: Sanitary biology, biology of natural waters, sanitary bacteriology.</p>	<p>Second year: Phys. geog. Third year: Struct. geology.</p>	Same as in B. S. in C. E.	<p>First year: Same as in B. S. in C. E. Second year: Prin. of mechanism, construction of gear teeth, mechanism of mill and shop machinery, drawing. Third year: Steam eng., draw., eng. lab'y. Fourth year: Steam eng., dynamics of machines, eng. lab'y, shop work, technical machinery.</p> <p>First year: Same as in B. S. in C. E. Second year: Drawing, plotting. Third year: Railroad eng., stereotomy, elements of construction, design. Fourth year: theory of structures, bridges and roofs, hydraulics, sanitary eng., hydraulic eng., building construction, hygiene and public health.</p>	45
<p>Electives: Zoölogy, botany, biology, cryptogamic botany, microscopic anat., palæontology, comp. osteology, embryology, gen. entomology, exp. veg. physiology, structure and development of cryptogams.</p>	<p>Electives: Mineralogy of common rocks and metallic ores, determinative mineralogy, crystallography, physical geog. and meteorology, geology (Dana), historical geology, economical geology, petrography, mineral veins and metalliferous deposits.</p>	<p>Electives: Polit. econ. (Mill), Dunbar's Chapters on Banking, Cairnes's Leading Principles of Polit. Econ., Hadley's Railroad Transportation, Laughlin's Bimetallism, history of economic theory, investigation and discussion of pract. economic questions, economic hist. of Europe and America since the Seven Years' War, hist. of tariff legislation in the U. S., public finance and banking, hist. of financial legislation in the U. S., management and ownership of railways and hist. of railway transportation, mediæval and modern European hist., constitutional gov't, hist. of the development of political and legal institutions in Rome to the fall of the Republic, later Roman and early mediæval hist., conflict of Christianity with Paganism, the mediæval church,</p>	<p>Electives: The fine arts, principles of delineation, color, and chiaroscuro, drawing, prin. of design in painting, sculpture, and architecture, ancient art, Roman and mediæval art, lit. and fine arts in Italy during the Middle Ages and the Renaissance, with special study of Dante. Music—Harmony, counterpoint, hist. of music, instrumentation, canon and fugue, free thematic music.</p>	



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
45	Harvard University, Cambridge, Mass.—Continued.			
46	Lawrence Scientific School, Cambridge, Mass.	B. S. in Civil and Topograph. Eng.	First, third, or fourth years: <i>Gen. descrip. chem.</i> Fourth year: <i>Qual. anal.</i>	First or third year: <i>Exp. physics.</i>
		B. S. in Geology.	First year: <i>Exp. chem.</i> Second year: <i>Gen. descrip. chem.</i>	First year: <i>Gen. descrip. physics.</i>
		B. S. in Biology.	Second year: <i>Gen. descrip. chem.</i>	First year: <i>Exp. physics.....</i>

and universities.—PART II—Continued.

*Italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
		hist. of gov't and administration in France from the Frankish period to modern times, constitutional and legal hist. of England to the 16th century, the era of the Reformation in Europe, from the rise of Italian humanism to the close of the council of Trent, European hist. during the 17th cent. and the first half of the 18th, European hist. from the middle of the 18th cent., Amer. hist. to 1783, constitutional and polit. hist. of the U. S. (1783-1861), gen. hist. of the U. S., constitutional gov't, elements of public international law, studies in the comp. hist. of religion, hist. and institutes of Roman law.		45
Fourth year: <i>Zoölogy, botany.</i>	First, second, third, or fourth years: <i>Geology</i> (Dana), <i>determinative mineralogy</i> . Fourth year: <i>Phys. geog. and meteorology, geological field work.</i>	Second year: <i>Const. and polit. hist. of the U. S.</i> Fourth year: <i>European hist., hist. of the U. S., prin. of polit. econ.</i>	First year: <i>Mech. draw., plotting topograph. draw.</i> Second year: <i>Stereotomy, applications of descrip. geom., leveling, topograph. draw., eng., exercises in stone cutting.</i> Third year: <i>Graphical statics, building materials, hydraulics, water supply and sanitary eng.</i> Fourth year: <i>Applied mech. and constructive eng., designing.</i>	46
Second year: <i>Zoölogy, botany.</i> Third year: <i>Paleontology.</i>	First year: <i>Geology</i> (Dana), <i>determinative mineralogy</i> . Second year: <i>Phys. geog. and meteorology, geology.</i> Third year: <i>Geological field work, petrography.</i> Fourth year: <i>Historical geology, economic geology, geological field work, physical geog. and meteorology, petrography.</i>	.....	Third year: <i>Mech. draw., plotting topograph. draw.</i>	
First year: <i>Zoölogy, botany.</i> Second year: <i>Biology, botany.</i> Third year: <i>Zoölogy, microscopic anat., cryptogamic botany, qual anal.</i> Fourth year: <i>Original investigation, embryology, gen. entomology, exp. veg. physiology, systematic and economic botany, structure and development of cryptogams, paleontology, comp. osteology.</i>	First year: <i>Phys. geog. and meteorology, geology.</i> Fourth year: <i>Advanced geology.</i>	Fourth year: <i>Prin. of polit. econ., European hist., hist. of U. S.</i>	First year: <i>Fine arts.</i>	

TABLE 23.—*Courses of study in colleges*

NOTE—Studies in

	Name and location.	Course.	Chemistry.	Physics.
46	Lawrence Scientific School, Cambridge, Mass.—Continued.	B. S. in Elec. Eng.	First year: Gen. descrip. chem.	First year: Exp. physics, gen. descrip. physics. Second year: Electro-statics, electro-kinematics, and parts of electro-magnetism, electro-dynamics, magnetism and electro-magnetism. Third year: Thermo-dynamics, dynamos, telephone and telegraphic apparatus. Fourth year: Math. theory of electro-statics and electro-kinematics, math. theory of electro-dynamics and electro-magnetism.
47	Smith College, Northampton, Mass.	A. B. ....	Second year: Gen. chem., non-metals, <i>metals</i> , <i>qual. anal.</i> , <i>lab'y work</i> . Third year: <i>Quant. anal.</i> , <i>lab'y work</i> . Fourth year: <i>Org. chem.</i> , <i>lab'y work</i> , <i>lectures on chem. theory</i> .	Third year: Exp. lectures on sound, elec. and light. Fourth year: <i>Heat</i> , <i>lab'y work</i> .
		B. L. ....	.....	.....
		B. S. ....	First year: Gen. chem., <i>qual. anal.</i> Second year: <i>Quant. anal.</i> , <i>lab'y work</i> .	Third year: Sound, electricity, light. Fourth year: <i>Heat</i> , <i>lab'y work</i> .
48	Mt. Holyoke Seminary and College, South Hadley, Mass.	A. B. ....	First year: Gen. chem., <i>lab'y work</i> . Second year: Gen. chem., <i>qual. anal.</i> Fourth year: <i>Quant. anal.</i>	Third year: <i>Heat elec.</i> (Ganot), <i>lab'y work</i> , sound, light. Fourth year: <i>Physics</i> .
		B. S. ....	First year: Same as A. B. course. Second year: Gen. chem., <i>theoret. chem.</i> Third year: <i>Qual. anal.</i> Fourth year: <i>Quant. anal.</i> , <i>org. chem.</i>	Same as in A. B. course .....
49	Wellesley College, Wellesley, Mass.	A. B. ....	Sophomore: <i>Theoret. chem.</i> , <i>lab'y work</i> . Junior: <i>Qual. anal.</i> Senior: <i>Qual. anal.</i> , <i>quant. anal.</i>	Junior: <i>Mechanics</i> , elec., sound, radiant energy, <i>lab'y work</i> . Senior: <i>Pract. physics</i> .



and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
			First year: Mech. draw., shop work. Third year: Work-shop.	46
First year: <i>Botany</i> (Gray). Second year: <i>Biology</i> . Third year: <i>Systematic botany</i> , <i>systematic zoölogy</i> (invertebrates), <i>osteology</i> , <i>human physiology</i> , <i>veg. histology</i> , <i>embryology</i> . Fourth year: <i>Histology</i> , <i>lab'y work</i> , <i>morphology</i> .	Third year: <i>Mineralogy and lithology</i> (Dana). Fourth year: <i>Geology</i> (Geikie).	First year: Thalheimer's Manual of Grecian Hist. Second year: Thalheimer's Manual of Roman Hist. Third year: <i>Mediæval hist.</i> , <i>Church's Beginning of the Middle Ages</i> , <i>modern hist.</i> Fourth year: <i>Polit. econ.</i> , <i>lectures on recent European hist.</i> , <i>polit. hist. of the U. S.</i> , <i>polit. science</i> .	<i>Art, music</i> .....	47
First year: Botany. Second year: Biology. Third year: Botany or zoölogy, human physiology, veg. histology or embryology. Second year: Botany (Gray), veg. histology, cryptogamic botany, physiology. Third year: Zoölogy, botany, physiology, animal or vegetable biology. Fourth year: Biology, botany or zoölogy.	Third year: Mineralogy (Dana). Fourth year: Geology (Geikie), field work. Third year: <i>Mineralogy</i> (Dana), dynamic, structural, and historical geology (Dana). Fourth year: <i>Mineralogy, geology</i> .	First year: Grecian hist. Second year: Roman hist. Third year: Modern hist. Fourth year: <i>Polit. econ.</i> , <i>polit. science</i> . Third year: Hist. Fourth year: <i>Polit. econ.</i>		
First year: Physiology. Second year: Botany, veg. histology, cryptogamic botany. Third year: Zoölogy, botany, physiology, biology. Fourth year: Botany or zoölogy. Freshman: Physiology. Junior and Senior: Botany, zoölogy.	Second year: Mineralogy. Third and fourth years: Same as in A. B. course. Junior and Senior: <i>Mineralogy, lithology, geology</i> .	Second year: Ancient hist., mediæval hist. Third year: Hist. of the Renaissance, the Reformation, the Eng. revolution, library work, French revolution, European states since the revolution, <i>const. hist. of Eng.</i> Fourth year: <i>Const. hist. of the U. S.</i> , <i>polit. econ.</i> , <i>international law</i> . Second year: Ancient hist., mediæval and modern hist. Third year: Modern hist. Fourth year: Same as in A. B. course. Freshman and Sophomore: Hist. of Jewish Church. Sophomore: <i>Polit. hist. of Eng.</i> , <i>hist. of U. S.</i> Junior: Hist. of civilization, <i>hist. of modern Europe</i> , <i>polit. econ.</i> , <i>hist. of art and music</i> . Senior: Hist. of the Apostolic Church, <i>const. hist. of England and of the U. S.</i> , <i>hist. of Oriental civilization</i> , <i>political science</i> , <i>hist. of art</i> .	First year: Drawing. First year: Drawing. Freshman: Drawing.	48 49

TABLE 22.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
49	Wellesley College, Wellesley, Mass.—Continued.	B. S. ....	Freshman: Theoret. chem., lab'y work. Sophomore: <i>Qual. anal.</i> Junior and Senior: <i>Quant. anal.</i>	Same as in A. B. course. ....
50	Williams College, Williamstown, Mass.	A. B. ....	Sophomore: Chem. Junior: <i>Qual. anal.</i> , <i>gen. chem.</i> Senior: <i>Chem.</i>	Junior: Physics. ....
51	Michigan Agricultural College, Agricultural College, Mich.	B. S. in Agr.	Sophomore: El. chem. (Blox- am), chemical manipulation. Junior: Org. chem., blow- pipe and volumetric anal., analyt. chem., agr. chem. Senior: <i>Quant. anal.</i>	Sophomore: Mechanics (Gan- ot). Junior: Mechanics. Senior: <i>Chemical physics.</i>
		B. S. in Mech.	Sophomore: Same as in B. S. in Agr. Junior: Metallurgy.	Freshman: El. physics (Gan- ot). Sophomore: Mechan- ics. Senior: Mechanics, heat, electricity, magnet- ism, thermodynamics, steam eng.
52	University of Michigan, Ann Arbor, Mich.	.....	Experimental and general lectures, kinetic theory of gases, chem. phil., gen. chem., electro-chem., gas anal., qual. anal., org. chem., quant. anal., analytical work of the rolling mill and mine lab'y, blow-pipe anal., orig- inal investigation, assaying ores, manufacture and puri- fication of chemicals, chem. technology, proximate org. anal. including toxicology, physiological chem., sani- tary science.	Phys. lab'y, theoret. physics, mechanics, sound, light, elec., heat, magnetism, elec- trical units and measure- ments, dynamo-electric ma- chinery, geometrical optics.

and universities.—PART II—Continued.

*Italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: Physiology. Sophomore: Botany, zoölogy. Junior: Economic bot., cryptogams, medical bot., zoölogy. Senior: Botany, zoölogy.	Sophomore: Mineralogy, lithology, geology. Junior: Geology. Senior: Mineralogy, lithology, geology.	Same as in A. B. course.	Freshman: Drawing.	49
Sophomore: El. biology, zoölogy (Claus), botany. Junior: Botany, zoölogy. Senior: Anat., physiology, comp. zoölogy, embryology, histology.	Senior: Geology (Le Conte).	Sophomore: Hist. of Eng. people (Green), Gilman's American People. Junior: Polit. econ. (Perry), <i>polit. science</i> . Senior: Sociology.	.....	50
Freshman: Botany (Gray, Wood). Sophomore: Botany. Junior: Anat. (Martin), human and comp. physiology, entomology. Senior: Zoölogy (Packard), botany and forestry. Sophomore: Botany.	Senior: Geology (Dana).	Freshman: Ancient hist. (Swinton). Senior: <i>Constitution of the U. S.</i> (Cooley), <i>polit. econ.</i> , <i>phil. of hist.</i> (Guizot).	Freshman: Draw., agriculture. Sophomore: Military tactics, agr., gardening. Junior: Horticulture. Senior: <i>Agr. eng.</i> , <i>veterinary</i> , <i>civil eng.</i> , <i>horticulture</i> , <i>military science</i> , <i>agr.</i>	51
	.....	Senior: Bookkeeping and business law, <i>U. S. Constitution and political science</i> .	Freshman: Draw., shopwork. Sophomore: Military science, shopwork, draw. Junior: Draw., shopwork. Senior: Civil eng., el. of mechanism, shopwork, machine design.	
Elements of biology, systematic zoölogy, comp. anat. of vertebrates, ornithology, embryology, cryptogamic botany, structural and pharmaceutical botany, physiological botany, structural botany and microscopy, comp. veg. histology, morphology and physiology of phanerogams, physiology.	Mineralogy and lithology, elements of gen. geology, advanced geology and palæontology, palæontological investigations, economic geology, geology of the U. S.	Polit. and constitutional hist. of England, comp. const. law, hist. of Europe during 16th and 17th centuries, const. hist. of the U. S., Amer. colonial hist., const. law of the U. S., hist. of the Middle Ages, hist. of Europe since the Congress of Vienna, hist. of Europe during 18th century, hist. of French Revolution, comp. const. hist., principles of polit. econ., prin. of the science of finance, social and industrial reform, hist. of economic thought (Ingram), tariff legislation in the U. S. (Taussig), economics, international law, hist. of treaties.	Science and art of teaching. Practical (Fitch), school supervision (Payne), hist. of education (Compayne's Hist. of Pedagogy), study of educational systems, hist. and phil. of education. Drawing.—Geometrical topographical, mechanical, free-hand sketching, water-color, architectural. Civil engineering.—Strength and resistance of materials, theory of construction, graphical analysis of structures, engineering design, mechanism and machine drawing, dynamics of machinery, hydraulics, stereotomy. Mechanical engineering.—Forging, woodwork, pattern work, machinery and machine drawing, dynamics of machinery, prime movers, thermodynamics, theory of machine construction, machine design, machine construction and millwork, steam engineering, naval architecture, marine engineering, Mining engineering.—Mining, metallurgy, fuel and refractory material, iron, steel, copper, zinc, lead, silver, gold, mercury. Music; bibliography.	52



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
53	University of Minnesota, Minneapolis, Minn.	A. B. ....	Sophomore: Gen. chem., lab'y work. Junior: <i>Analyt. chem., org. chem.</i> Senior: Hist. of chem. theory, lab'y work, sanitary science.	Sophomore: Mechanics, sound, heat, light, magnetism; elec. (Olmsted). Junior: <i>Elec.</i> (Ayrton and Perry, Kempe), <i>light</i> , <i>Wright's exp. optics.</i>
		B. S. ....	Freshman: <i>Gen. chem., lab'y work.</i> Sophomore: <i>Gen. chem., qual. anal.</i> Junior and Senior: Same as in A. B. course.	Freshman: <i>Mechanics of solids, liquids, and gases</i> (Dana and Ganot). Sophomore: <i>Sound, heat, elec., light.</i> Junior: Same as in A. B. course.
54	University of Mississippi, University, Miss.	B. L. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		A. B. ....	Junior: Chem. ....	Junior and Senior: Physics (Ganot).
		B. S. ....	Junior and Senior: Chem. ....	Same as in A. B. course. ....
55	St. Louis University, St. Louis, Mo.	A. B. ....	Sophomore and Junior: Chem. (Eliot and Storer).	Sophomore and Junior: Physics (Ganot).
56	Washington University, St. Louis, Mo.	A. B. ....	Junior: Chem. (Roscoe), <i>chem.</i> Senior: <i>Pract. chem.</i>	Sophomore: Physics (Ganot). Junior: <i>Physics, mechanics.</i>
		Ph. B. ....	Sophomore: Chem. Junior: <i>Chem., pract. chem.</i> Senior: <i>Pract. chem.</i>	Freshman and Sophomore: Physics. Junior: <i>Elec. and magnetism</i> (Cumming), <i>electrical and magnetical measurements, mechanics.</i> Senior: <i>Mechanical theory of heat, applied mechanics.</i>
		C. E. ....	Sophomore: Theoret. chem. (Roscoe), qual. anal. Junior: Qual. anal. Senior: Metallurgy of iron and steel.	Freshman: Pneumatics, acoustics, heat, optics. Sophomore: Elec., magnetism, meteorology, graphical and analytical statics, theoret. and pract. physics. Junior: Applied mech., elec., and magnetism. Senior: Elec., magnetism, lab'y work. Fifth year: Thermodynamics, dynamos and electrical machinery, lab'y work.
		D. E. ....	Sophomore: Same as in C. E. course. Junior: <i>Lab'y work, lectures, qual. anal.</i> Senior: <i>Lectures, lab'y work, metallurgy of iron and steel.</i> Fifth year: <i>Lectures, lab'y work.</i>	Freshman and Sophomore: Same as in C. E. course. Junior: Mech., applied mech., elec. and magnet. Senior: Mech., elec. and magnet, hydraulics. Fifth year: Mech., theory of heat, elec.
		Chemistry.	Sophomore: Same as in C. E. course. Junior: Theoret. and inorg. chem., qual. anal., lab'y work. Senior: Analyt. and applied chem., metallurgy. Fifth year: Org. chem.	Freshman and Sophomore: Same as in C. E. course. Junior: Statics, dynamics, stress, <i>elec. and heat.</i>

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: Botany (Gray). Junior: <i>Physiology and histology, animal morphology.</i>	Junior: <i>Mineralogy.</i> Senior: Dynamical and structural geology, lithology and historical geology, applied geology.	Sophomore: Hist. of Europe during the Middle Ages, England in the Middle Ages. Junior: <i>Modern hist. of England, colonial hist. of the U. S.</i> Senior: Polit. econ., polit. science, hist. of civilization.	Freshman: Drawing. Senior: Pedagogics.	53
Freshman: Botany or zoölogy. Sophomore: Botany or zoölogy. Junior: Same as in A. B. course.	Junior: Mineralogy. Senior: Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course.	
Same as in A. B. course. Senior: Zoölogy .....	Same as in A. B. course. Senior: Mineralogy and lithology (Dana), geology (Dane, Le Conte).	Same as in A. B. course. Senior: Polit. econ., hist.	Same as in A. B. course. ....	54
Freshman: Botany (Gray), zoölogy (Orton and Packard). Senior: Zoölogy.	Same as in A. B. course and pract. mineralogy.	Same as in A. B. course.		
.....	.....	Freshman and Sophomore: Ancient hist. (Vuibert), Junior: Constitution and Govt. of the U. S.	.....	55
Junior: Botany. Senior: Anat. and physiology, botany.	Junior: Mineralogy, geology.	Freshman: U. S. Constitution, hist. of England. Sophomore: Hist. of France. Junior: Hist. of Germany, hist. of France, lectures on eastern Europe. Senior: Constitutional history, polit. econ., elements of international law, gen. historical review.	.....	56
Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course.	Freshman, Sophomore, and Junior: <i>Drawing.</i>	
Junior: Botany .....	Junior: Mineralogy and geology. Fifth year: Economic geology.	Freshman: Same as in A. B. course. Fifth year: Polit. econ., lectures on business law and riparian rights.	Freshman and Sophomore: Drawing, shopwork. Junior: Civil eng., shopwork, drawing. Senior: Steam eng., civil eng., shopwork, drawing. Fifth year: Engineering materials, principles of economy in design and construction, sanitary and city eng.	
Junior: Botany. Senior: Anat. and physiology.	Junior: Same as in C. E. course.	Freshman: Same as in A. B. course. Fifth year: Business law, polit. econ., constitutional hist., elements of international law.	Freshman and Sophomore: Same as in C. E. course. Junior and Senior: Dynamic eng., shopwork, drawing. Fifth year: Dynamic eng., foundations, water supply, and drainage.	
.....	Junior: Mineralogy. Senior: Geology (Dana).	Freshman: Same as in A. B. course. Fifth year: Polit. econ.	Freshman and Sophomore: Same as in C. E. course.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
56	Washington University, St. Louis, Mo.—Continued.	Mining....	Sophomore: Same as in C. E. course. Junior: Qual. anal., blowpipe anal., assaying, metallurgy. Senior: Metallurgy, quant. anal., blowpipe anal., assaying. Fifth year: Metallurgy.	Freshman and Sophomore: Same as in C. E. course. Junior: Mech. Senior: Mech. Fifth year: Thermodynamics, electro-metallurgy, lab'y work.
		B. S. ....	Sophomore: Same as in C. E. course. Junior: <i>Metallurgy</i> . Senior: <i>Metallurgy</i> .	Freshman and Sophomore: Same as in C. E. course. Junior: Appl'd mech., physics. Senior: <i>Physics</i> .
		M. S. ....	Sophomore: Same as in C. E. course. Junior: Qual. anal. Senior: <i>Quant. anal.</i>	Freshman and Sophomore: Same as in C. E. course. Junior: Mech., <i>physics, theoretical optics</i> . Senior: <i>Thermodynamics, electricity and magnetism, theory of sound.</i>
57	Drury College, Springfield, Mo.	A. B. ....	Junior: Chem. (Eliot and Storer).	Junior: Physics.....
		B. S. ....	Sophomore: Chem., org. chem.	Same as in A. B. course.....
53	Dartmouth College, Hanover, N. H.	A. B. ....	Junior: Chem. of non-metals, lab'y work, <i>metals and qual. anal., lab'y work</i> . Senior: Optional— <i>Chem. of carbon compounds, analyt. chem., quant. anal., lab'y work.</i>	Junior: Prin. of physics, cl. of physics (Stewart), <i>lab'y work, mechanics of solids, liquids and gases, heat, light, sound</i> . Senior: Optional— <i>Lab'y work, elec. and magnetism, original work.</i>
		B. L. ....	Same as in A. B. course .....	Same as in A. B. course.....
		B. S. ....	Third year: Wurtz's Elements of Chem. Fourth year: Analyt. chem., Noyes' Qual. Anal., <i>quant. anal.</i>	Third year: Garnett's Heat, Stone's Sound. Fourth year: Thompson's Elec. and Magnetism, lectures, Lommel's Light.
59	New Hampshire College of Agriculture and Mechanic Arts Hanover, N. H.	B. S. in Agr. and Chem.	First year: Chem. of farm (Warington). Second year: Inorg. chem., analyt. chem., lab'y work. Third year: <i>Org. chem., metals (Bloxam), qual. anal., lab'y work.</i> Fourth year: Quant. anal., lab'y work, quant. anal. of soils, etc., assaying.	Second year: Physics.....



## and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Junior: Botany, zoölogy.	Junior: Crystallography, mineralogy, dynamic and stratigraphical geology, economic geology. Senior: Economic geology, paleontology, lithology. Fifth year: Micro-lithology.	Freshman: Same as in A. B. course. Fifth year: Polit. econ., mining law.	Freshman and Sophomore: Same as in C. E. course. Junior: Strength of materials, eng. structures, drawing, shop-work, steam eng., mining. Senior: Mining, ore dressing, engineering, drawing, shop-work. Fifth year: Office-work, mining, mill-work, projects.	56
Junior: Botany. Senior: Physiology.	Junior: Mineralogy, geology. Senior: Paleontology.	Freshman: Same as in A. B. course. Senior: Polit. econ., <i>constitutional hist., hist.</i>	Freshman and Sophomore: Same as in C. E. course. Junior and Senior: <i>Steam eng.</i>	
Junior: Botany (elective with geology and mineralogy), <i>botany, zoölogy.</i> Senior: <i>Morphology, comp. zoölogy, physiology, biology.</i>	Junior: Mineralogy or geology (elective with botany), <i>crystallography, mineralogy, geology and phys. geog.</i> Senior: <i>Paleontology, lithology, economic geology.</i>	Freshman: Same as in A. B. course. Senior: U. S. Constitution. Fifth year: Commercial and insurance law, polit. econ.	Freshman and Sophomore: Same as in C. E. course.	
Sophomore: Anat. and physiology. Junior: Botany (Wood), veg. histology (Bessey). Senior: Zoölogy (Tenney and Orton).	Senior: Geology (Le Conte).	Junior: International law (Woolsey). Senior: Polit. econ. (Perry), hist. of civilization, U. S. constitutional hist. (Andrews).	.....	57
Freshman: Anat. and physiology (Martin). Sophomore: Anat. and physiology, botany, veg. histology. Junior: <i>Cryptogamic botany, biology.</i>	Freshman: <i>Phys. geog.</i> Sophomore: Mineralogy. Senior: Same as in A. B. course.	Freshman: Gen. hist. Junior and Senior: Same as in A. B. course.		
Freshman: Hygiene. Senior: Physiology.	Junior: <i>Mineralogy and lithology.</i> Senior: <i>Geology (Le Conte), appl'd geology (Williams).</i>	Junior: Mediæval and modern hist. Senior: <i>Polit. hist. of the U. S., const. hist. of Eng. (optional), polit. econ., constitutional law, advanced polit. econ., municipal law, international law.</i>	.....	58
Freshman: Hygiene, physiology (Martin), botany. Sophomore: Biology.	Same as in A. B. course.	Same as in A. B. course.		
First year: Hygiene, botany (Gray). Second year: Struct. botany (Thomé), zoölogy (Orton).	Fourth year: Mineralogy (Dana), geology (Le Conte).	First year: Myer's Mediæval and Modern Hist., Leighton's Rome, Smith's Greece. Third year: <i>Eng. hist., municipal law, polit. econ. (Walker).</i> Fourth year: Constitutional law (Pomeroy).	First year: Drawing. Second year: Draw., tinting, topography, plotting, mapping. Third year: Carpentry, machinery. Fourth year: <i>Engineering.</i>	
Second year: Botany (Gray). Third year: Struct. botany (Thomé), zoölogy (Orton). Fourth year: <i>Anat. and physiology.</i>	Fourth year: Geology (Le Conte), mineralogy.	First year: Grecian hist. (Smith), Rom. hist. (Leighton), mediæval and modern hist. (Myers), themes in hist. Third year: Laws of business (Parsons). Fourth year: Constitutional law (Pomeroy), polit. econ. (Perry), <i>hist. of Amer. politics, international law.</i>	First year: Draw., shop-work. Second year: Draw., shop-work, machine construction, dairying (Arnold), forestry (Hough), stock breeding (Miles), fruit culture. Third year: Insects injurious to farm (Treat), stock feeding (Armsby), how crops grow (Johnson), how crops feed (Johnson), <i>framing and bridge</i>	59

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
59	New Hampshire College of Agricultural and Mechanic Arts, Dartmouth, N.H.—Continued.	B. S. in Mech. Eng.	First and second years: Same as in B. S. in Agr. and Chem. Third year: Metals, <i>org. chem., qual. anal., lab'y work.</i> Fourth year: <i>Quant. anal., lab'y work, assaying.</i>	Same as in B. S. course in Agr. and Chem.
60	Rutgers College, New Brunswick, N.J.	A. B. ....	Sophomore: Inorg. chem. (Richter), Austin's Lecture Notes. Junior: <i>Exp. chem. (Remsen), qual. anal. (Fresenius), lab'y work, Senior: Quant. anal. (Fresenius), lectures, lab'y work, preparation of chemical substance.</i>	Junior: Physics (Deschanel). Senior: Physics (Deschanel), <i>elec.</i>
		B. S. in Civ. Eng. and Mech.	Sophomore: Same as in A. B. course.	Sophomore and Junior: Physics (Ganot).
		B. S. in Agr. and Chem.	Sophomore: <i>Exp. chem., qual. anal., chem. stoichiometry.</i> Junior: <i>Quant. anal., chem. philosophy (Cook).</i> Senior: <i>Applied chem. (Wagner's Technology), quant. anal. org. chem. (Remsen and Pinner-Austen), assaying.</i>	Same as in B. S. course in civil eng. and mech.
61	College of New Jersey, Princeton, N. J.	A. B. ....	Senior: <i>Gen. chem., lab'y chem., applied chem.</i>	Junior: Physics (Anthony and Brackett). Senior: <i>Pract. physics.</i>
		B. S. in Gen. Science.	Freshman: Inorg. chem. Sophomore: <i>Qual. anal.</i> Senior: <i>Quant. anal.</i>	Junior: <i>El. mechanics, elec., magnetism, acoustics, optics.</i> Senior: <i>Pract. physics, math. physics.</i>
		B. S. in Chem. and Mineralogy.	Freshman and Sophomore: Same as in B. S. in gen. science. Junior: <i>Quant. anal.</i> Senior: <i>Quant. anal.</i>	Junior: Same as in B. S. in Gen. Science.

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Second and third years: Same as in B. S. course in Agr. and Chem.	Same as in B. S. course in Agr. and Chem.	Same as in B. S. course in Agr. and Chem.	<i>construction, roads, streets, and pavements</i> (Gilmore). Fourth year: Sanitary eng. (Philbrick), vet. med. and surg. (Courtenay). First year: Draw., shopwork. Second year: Draw., shopwork, machine construction. Third year: Framing and bridge construction, mechanism (Stahl and Woods). Fourth year: Shopwork, machine construction, sanitary eng., steam eng. (Holmes), draw.	50
Freshman: Physiology (Dalton), comp. zoölogy (Orton).	Senior: Geology (Dana),	Sophomore: Ancient and modern hist. (Fisher). Junior: The Eng. constitution, hist. of civilization (Guizot). Senior: Polit. econ. (Walker and Perry), <i>comp. study of the growth of the modern constitutions</i> , political ethics, the duties of citizenship (Lieber and Woolsey). Constitution of the U. S. (Cooley), <i>invasion of Italy by the French, the historical drama</i> .	Senior: Architecture.	60
Freshman: Physiology, comp. zoölogy, botany (Gray).	Same as in A. B. course.	Sophomore and Junior: Same as in A. B. course. Senior: Polit. econ., polit. ethics, duties of citizenship, Constitution of the U. S.	Freshman: Drafting. Sophomore: Railroad curves (Henck), drafting. Junior: Drafting. Senior: Engineering (Mahon), architecture, draughting, bridge building (Wood).	
Freshman: Same as in B. S. course in civil eng. and mech. Junior: Veg. physiology.	Senior: Geology, determinative mineralogy (Dana).	Same as in B. S. course in civ. eng. and mech.	Freshman and Sophomore: Drafting. Junior: Drafting, agriculture. Senior: Prin of agr., drafting, architecture.	
Sophomore: Human anat. and physiology, zoölogy, botany. Senior: <i>Biology, histology</i> .	Junior: <i>Physical geog.</i> Senior: Geology (LeConte), <i>palæontology</i> .	Sophomore: Freeman's general sketch. Senior: Jurisprudence and polit. econ., <i>comp. politics, international and constitutional law</i> (Gallaudet), <i>hist. of ancient art</i> .	.....	61
Freshman: Botany, morphology of plants. Sophomore: Human anat. and physiology, zoölogy, histology, botany (Gray). Junior: Histology, morphology. Senior: <i>Biology</i> .	Freshman: Crystallography. Sophomore: Determinative mineralogy. Junior: Descrip. mineralogy. Senior: Geology, phys. geog.	Senior: Same as in A. B. course.	Freshman and Sophomore: Drawing. Senior: <i>Strength of materials</i> .	
Freshman, Sophomore, and Junior: Same as in B. S. in gen. science.	Freshman, Sophomore, and Junior: Same as in B. S. in gen. science. Senior: geology.	Senior: Jurisprudence and polit. econ.	Freshman and Sophomore: Drawing.	



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
61	College of New Jersey, Princeton, N. J.—Continued.	B.S.in Biol. and Chem.	Same as in B. S. in gen. science.	Same as in B.S.in chem.and mineralogy.
		B.S.in Biol. and Geol.	Freshman and Sophomore: Same as in B. S. in gen. science.	Same as in B.S.in chem.and mineralogy.
62	Madison University, Hamilton, N. Y.	A. B .....	Sophomore: Non-metallic elements. Junior: <i>Metallic elements, qual. anal., metallurgy.</i> Senior: <i>Quant. anal., special anal.</i>	Junior: Physics (Anthony and Brackett), light, heat, elect., etc., <i>steam engine.</i>
		Greek scientific.	Sophomore: Same as in A. B. course. Junior: <i>Metallic elements, qual. anal., metallurgy.</i> Senior: Same as in A. B. course.	Same as in A. B. course. ....
		Latin scientific.	Junior: <i>Metallic elements, qual. anal., metallurgy.</i> Senior: Same as in A. B. course.	Junior: Mechanics, light, heat, elec., <i>steam engine.</i>
		Eng. scientific.	Sophomore: <i>Metallic elements, qual. anal., metallurgy.</i> Junior: <i>Quant. anal., special anal.</i> Senior: <i>Org. chem.</i>	Same as in Latin scientific course.
63	Cornell University, Ithaca, N. Y.	.....	Inorg. chem., introductory lab'y practice in inorg. chem., agr. chem., qual. anal., blow-pipe anal., quant. anal., quant. methods, chem. phil., applied chem., Ger. chem. readings, org. chem., metallurgy, assaying, pharmaceutical chem., pharmacy.	Mechanics, heat, elec., magnetism, acoustics, optics, physical experiments, electrical measurements, pract. photography, dynamo electric machinery, theory of heat, physiological optics and the science of color, kinematics and dynamics, absolute measurements in elec. and magnetism, thermometry and calorimetry, advanced spectroscopy.
64	College of the City of New York, New York, N. Y.	A. B .....	Third year: Pract. and analyt. chem. (Clowes). Fifth year: Chem. (Bloxam).	First year: El. of physics (Cooley). Fourth year: Mechanics, acoustics (Bartlett), chem. physics (Pyncheon).

## and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman and Sophomore: Same as in gen. science. Junior: Histology, morphology, biology. Senior: Biology, histology, morphology. Same as in B. S. in biol. and chem.	Freshman, Sophomore, and Junior: Same as in B. S. in gen. science. Senior: Geology, palæontology.	Same as in B. S. in chem. and mineralogy.	Same as in B. S. in chem. and mineralogy.	61
Junior: <i>Physiology</i> (Martin), <i>zoölogy</i> . Senior: <i>Botany</i> .	Junior: <i>El. mineralogy, geology</i> .	Junior: <i>Ancient and mediæval history, Rom. law, or international law</i> . Senior: <i>Polit. econ., mediæval and modern hist., Eng. constitution, constitutional and polit. hist. of the U. S., Amer. hist., tariff and government, Rom. law or international law</i> .	Junior: <i>Mech. draw., strength of materials</i> . Senior: <i>Architecture, sculpture</i> .	62
Freshman: <i>Physiology</i> . Sophomore: <i>Botany</i> . Junior: <i>Zoölogy</i> .	Junior: <i>El. mineralogy, geology</i> .	Same as in A. B. course.	Same as in A. B. course.	
Sophomore: <i>Botany</i> . Junior: <i>Zoölogy, physiology</i> . Same as in Greek scientific course.	Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course.	
Botany, systematic botany, plant physiology, histology of plants, higher cryptogams, field work, fungi, invertebrate zoölogy, entomology, physiology, vertebrate zoölogy, morphology of the brain, anatomical methods and gross anat., microscopical methods and histology, methods and elements of embryology, human or comp. anat., or systematic vertebrate zoölogy, vertebrate histology.	Geology, palæontology, mineralogy, petrography, economic geology, historical palæontology.	Junior: <i>Ancient and mediæval hist., Rom. law or international law</i> . Senior: Same as in A. B. course.	Junior: <i>Mech. draw., strength of materials</i> . Senior: Same as in A. B. course.	63
First year: <i>Botany</i> (Kellerman), anat. Second year: <i>zoölogy</i> (Orton). Fourth year: <i>Anthropology, zoölogy</i> (Tenney).	Fifth year: <i>Geology, mineralogy, palæontology</i> (Dana).	Second year: <i>Freeman's historical course</i> . Third year: <i>Hist. of England</i> (Thompson). Fourth year: <i>Constitutional law, international law, polit. econ., hist. of U. S.</i> (Eliot). Fifth year: <i>Hist. of art</i> .	First, second, and third years: <i>Drawing</i> .	64

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
64	College of the City of New York, New York, N. Y.—Continued.	B. S. ....	Same as in A. B. course. ....	First year: Same as in A. B. course. Fourth year: acoustics, optics, and heat (Bartlett), chem. physics.
65	Columbia College, New York, N. Y.	A. B. ....	Sophomore: Gen. chem. (Fowne). Senior: Chem. (Fowne), qual., anal., blow-pipe anal.	Junior: <i>Sound, mechanics</i> (Peck), <i>magnetism, electricity</i> . Senior: <i>Light, higher physics, heat</i> .
		Min. Eng..	First year: Chem. (Fowne), qual. anal. (Fresenius), blow-pipe anal. (Platner). Second year: Applied chem. (Wagner). Third year: Assaying, metallurgy. Fourth year: Quant. anal., metallurgy.	First year: Heat, sound, magnetism, elec., optics (Ganot). Third year: Mechanics of solids and fluids, mechanical theory of heat, electricity, optics. Fourth year: Dynamics of machinery, graphical statics.
		Civil Eng.	First year: Chem. (Fowne). Second year: Applied chem. Third year: Metallurgy.	First year: Heat, optics, magnetism, elec. Third year and fourth year: Same as in min. eng.
		Metallurgy	First year: Same as in min. eng. Second year: Applied chem., quant. anal. (Caius). Third year: Quant. anal., metallurgy, assaying.	First and third year: Same as in C. E., and third year, dynamics of machinery. Fourth year: Same as in min. eng.
		Geology and Palæontology.	Same as in min. eng. ....	First year: Same as in C. E. Third year: Mech. theory of heat, electricity, physical optics.
		Chemistry	First year: Chem., qual. anal., blow-pipe anal., chem. physics (Cook). Second year: Applied chem., chem. philosophy (Cook), quant. anal. Third year: Appl'd chem., quant. anal., metallurgy, assaying. Fourth year: Org. chem., applied chem., metallurgy.	Same as in course in geology and palæontology.
		Architecture.	First and second years: Same as in C. E.	First year: Same as in C. E. Third year: Mech. of solids and fluids. Fourth year: Graphical statistics.



## and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Same as in A. B. course.	Same as in A. B. course.	Second and third years: Same as in A. B. course. Fourth year: Constitutional and international law, polit. econ. (Walker), hist. of U. S. Fifth year: Hist. of art.	Same as in A. B. course.	4
Junior and Senior: <i>Botany.</i>	Senior: <i>Geology and lithology.</i>	Sophomore: European hist. (Myers' mediæval and modern hist.). Junior: European hist. (Müller), polit. econ. (Mill). Senior: Constitutional hist. of Eng. and of the U. S., polit. econ.	-----	65
First year: Botany (Bastin). Second year: Zoölogy (Nicholson).	First year: Crystallography (Egleston). Second year: Mineralogy (Egleston). Third year: Geology. Fourth year: Economic geology.	-----	First year: Drawing (Binn). Second year: Eng., pract. mining, draw. Third year: Eng., physical properties of materials, pract. mining, draw., construction. Fourth year: Mining eng., eng., hydraulic eng., machinery and millwork, mech. eng., ore dressing, drawing.	
Same as in min. eng...	Second year: Mineralogy. Third year: Lithological, cosmical, physiographic, and historical geology, paleontology.	-----	First year: Draw. Second year: Eng., pract. mining, sanitary eng., draw., stereotomy. Third year: Eng., physical properties of materials. Fourth year: Civil eng., sanitary eng., sewerage, improvements of rivers and harbors, eng., hydraulic eng., machinery and millwork, mech. eng., railroad eng., draw.	
Same as in min. eng...	Same as in min. eng...	-----	First year: Draw. Second year: Pract. min., draw., stereotomy. Third and fourth years: Same as in min. eng.	
First year: Botany. Second year: Histology, zoölogy. Third and fourth years: Botany, zoölogy.	First year: Crystallography. Second and third years: Same as in C. E. Fourth year: Economic geology.	-----	First, second, third, and fourth years: Drawing.	
First and second years: Same as in min. eng. Third year: Biology.	Same as course in geology and paleontology.	-----	First year: Drawing.	
First year: Botany....	Third year: Descrip. and historical geology. Fourth year: Economic geology.	Second year: Ancient architectural hist. (Reber). Third year: Mediæval architectural hist. Fourth year: Modern architectural hist., hist. of painting and sculpture and of ornament.	First year: Draw. Second year: Arch., stereotomy, draw. Third year: Eng., sanitary eng., design, modeling, draw., practice. Fourth year: Civil eng., sanitary eng., sewerage, design, specifications, etc.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
65	Columbia College, New York, N. Y.— Continued.	Sanitary Eng.	First year: Chem., qual. anal., org. chem. Second year: Applied chem., quant. anal. Third year: Quant. anal.	Same as in civil eng. ....
66	University of the City of New York, New York, N. Y.	A. B. ....	Junior: Inorg. chem., org. chem.	Sophomore: Mechanics, sound, light. Junior: Heat, elec.
		B. S. ....	Junior: Same as in A. B. course. Senior: Analyt. chem, lab'y work.	Sophomore: Same as in A. B. course. Junior: Heat, elec., lab'y work.
67	Vassar College, Poughkeepsie, N. Y.	A. B. ....	Sophomore: <i>Non metals, el. chem. philosophy, exp. chem.</i> Junior: <i>Metals, qual. anal., quant. anal., hydrocarbons.</i>	Senior: <i>Force, motion, and energy, electricity, molecular and radiant energy, including heat, sound, and light (Daniell).</i>
68	University of Roch- ester, Rochester, N. Y.	A. B. ....	Junior: Chem. physics, gen. chem., Lab'y work. Senior: Lab'y work.	Junior: Mechanics (Kim- ball's Snell's Olmsted), hy- drostatics, pneumatics, acoustics, optics, heat, mag- netism, elec.
		B. S. ....	Junior: Same as in A. B. course. Senior: Analyt. chem., lab'y work.	Same as in A. B. course. ....
69	Union University, Schenectady, N. Y.	A. B. ....	Junior: Chem. (Cook), chem. Senior: Lab'y work.	Junior: Mechanics, physics (Daniell). Senior: Lab'y work.
		B. S. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		C. E. ....	Junior: Gen. chem., org. chem. Senior: Blowpipe anal.	Junior: Same as in A. B. course. Senior: Steam-en- gine, hydraulics.
70	Syracuse Univer- sity, Syracuse, N. Y.	A. B. ....	Junior: Chem. Senior: An- alyt. chem.	Sophomore: Solids, liquids, gases, heat. Junior: Light, elec., mechanics.

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
First year: Botany. Second year: Zoölogy, biology.	Third year: Same as in civil eng.	.....	First year: Draw. Second year: Pract. mining, arch., draw., stereotomy. Third year: Eng., physical properties of materials, sanitary eng., draw. Fourth year: Civil eng., hydraulic eng., machinery and mill-work, mech. eng., sewerage, drainage, sanitary jurisprudence, drawing.	65
Sophomore: Comp. physiology. Senior: Botany.	Senior: Gen. geology..	Freshman: Eng. hist. of the 18th and 19th centuries (Green). Sophomore: Outlines of modern hist. Junior: Polit. econ. (Fawcett). Senior: Natural and constitution law (Pomerooy), international law (Woolsey).	.....	66
Sophomore: Same as in A. B. course. Junior: Descrip. zoölogy. Senior: Botany.	Junior: Phys. geog. Senior: Gen. geology, <i>-economic geology.</i>	Freshman: Ancient hist., Eng. hist. of the 18th and 19th centuries. Sophomore, Junior, and Senior: Same as in A. B. course.	Freshman: Industrial drawing (Mahan).	
Freshman: Botany (Gray), veg. morphology, physiology. Junior: <i>Comp. zoölogy</i> (Orton), <i>systematic zoölogy</i> . Senior: <i>Biology, veg. histology and physiology, cryptogamia.</i>	Junior: <i>Mineralogy</i> (Dana), <i>lithologic and physiographic geology</i> (Dana), <i>historical and dynamical geology.</i>	Freshman: <i>Hist. of art.</i> Sophomore: Greek and Roman hist., <i>medieval hist.</i> Junior: <i>Modern hist., hist. of art.</i> Senior: <i>Eng. and Amer. constitutional hist., polit. econ.</i>	.....	67
Sophomore: Botany (Gray). Senior: Physiology (Huxley) zoölogy (Nicholson).	Senior: Geology (Le Conte), physical geog.	Sophomore: Lectures on the historical geog. of Europe. Junior: <i>Mediæval hist.</i> (Stillé). Senior: <i>Rom. law</i> (Morey), formation of the constitution, hist. of art, polit. econ., hist. of civilization (Guizot), politics (Crane and Moses).	.....	68
Freshman: Botany (Gray). Sophomore and Senior: Same as A. B. course.	Same as in A. B. course.	Freshman: Outline of Eng. constitution (Rannie). Sophomore, Junior, and Senior: Same as in A. B. course.	.....	69
Junior: Physiology (Dalton), zoölogy (Nicholson), <i>botany, biology.</i>	Junior: <i>Mineralogy</i> (Dana). Senior: Geology (Le Conte).	Senior: Hist. of civilization, <i>American politics.</i>	.....	
Freshman: Biology (Huxley and Martin). Sophomore: Botany (Gray, Bessey). Junior: Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course.	Freshman: Draw.	
.....	Senior: Geology, mineralogy.	.....	Freshman: Draw. Sophomore: Mechanism, draw., road eng. Senior: Materials of construction, design, stereotomy.	
Sophomore: Biology. Junior: <i>Botany</i> (Bessey), <i>zoölogy</i> (Colton). Senior: <i>Zoölogy.</i>	Senior: Geology, <i>mineralogy.</i>	Freshman: Ancient hist. (Rawlinson). Sophomore: <i>Mediæval and modern hist.</i> Junior: <i>Hist. of Eng. revolution, hist. of Fr. rev.</i>	Junior: <i>Drawing, architectural drafting.</i> Senior: <i>Æsthetics.</i>	70



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
70	Syracuse University, Syracuse, N. Y. —Continued.			
		Ph. B. ....	Same as in A. B. course .....	Same as in A. B. course.....
		B. S. ....	Same as in A. B. course .....	Sophomore: Same as in A. B. course. Junior: <i>Light, elec., mechanics.</i>
		C. E. ....	Same as in A. B. course .....	Same as in B. S. course .....
71	Rensselaer Polytechnic Inst., Troy, N. Y.	C. E. ....	Second year: Inorg. chem. Third year: Qual. anal., blow-pipe anal., pract. chem. Fourth year: Metallurgy.	First year: El. physics (Ganot). Second year: Heat, optics. Third year: Rational mechanics, elec., magnetism. Fourth year: Thermodynamics, electrodynamics, physical mechanics.
		B. S. ....	Second and third years: Same as in C. E. course. Fourth year: Quant. anal., gravimetric anal., metallurgy, volumetric anal., technical chem.	First and second years: Same as in C. E. course. Third year: Elec. and magnetism. Fourth year: Exp. physics.
72	University of North Carolina, Chapel Hill, N. C.	A. B. ....	Second year: Chem., physics, non-metals and metals, org. chem. Third and fourth years: <i>Indus. chem., qual. anal., quant. anal., assaying, metallurgy.</i>	Third year: Physics (Stewart). Third and fourth years: <i>Physics.</i>
		Ph. B. ....	Same as in A. B. course .....	Same as in A. B. course.....
		B. S. ....	Second year: Chem. physics, non-metals and metals, org. chem., qual. anal. Third and fourth years: <i>Quant. anal., assaying, agr. chem., metallurgy, indus. chem.</i>	Third year: Physics. Third and fourth years: <i>Physics, mechanics.</i>
73	Trinity College, Trinity College, N. C.	A. B. ....	Sophomore: Chem., lab'y work. Junior and Senior: Elective.	Junior: Physics (Ganot) .....

and universities.—PART II—Continued.

Italics are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
		<i>olution, hist. of education.</i> Senior: History of art, phil. of hist., constitutional law, <i>polit. econ., jurisprudence, Amer. revolution, constitutional hist. of Eng., international law, hist. of civilization.</i>		70
Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course.	Sophomore: Drawing, drafting.	
Same as in A. B. course.	Freshman: Physiology. Senior: Same as in A. B. course.	Freshman and Sophomore: Same as in A. B. course. Junior: Same as in A. B. course, and <i>Amer. revolution.</i> Senior: Same as in A. B. course, omitting <i>Amer. Revolution.</i>	Freshman: Draw., drafting. Sophomore: Draw.	
Same as in A. B. course.	Same as in B. S. course.	Freshman: Ancient hist. Junior: Same as in A. B. course. Senior: <i>Polit. econ., jurisprudence, Amer. Revolution, hist. of art, phil. of hist., constitutional hist. of Eng., international law, constitutional law, hist. of civilization.</i>	Freshman, Sophomore, and Junior: Drawing. Senior: Road eng., strength of materials, draw., eng. construction, bridges and roofs, stability of structures.	
Second year: Botany..	Third year: Mineralogy and petrography, descrip. and technical geology, determinative mineralogy.	Fourth year: Law of contracts.	First and second years: Stereotomy (Warren), topographical draw., free-hand draw. Third year: Stereotomy, topographical draw. Fourth year: Machines, construction, stereotomy, road eng., steam engine, topographical draw.	71
Second year: Botany. Third year: Zoölogy, histology.	Third year: Mineralogy, petrography, geology, lithology. Fourth year: Phys., geog., palaeontology, determinative mineralogy, petrography.	Same as in C. E. course..	First and second years: Same as in C. E. course. Third year: Drawing.	
Third and fourth years: <i>Physiology, zoölogy, botany, economic entomology, advanced botany.</i>	Third and fourth years: <i>Geology, mineralogy.</i>	First year: Hist. Fourth year: <i>Polit. econ., constitutional and international law.</i>	Third and fourth years: <i>Eng., pract. horticulture.</i>	72
Third year: Physiology, zoölogy, botany. Fourth year: <i>Economic entomology, advanced botany.</i>	First year: Physiology. Fourth year: Geology. Third and fourth years: <i>Geology, mineralogy, pract. geology.</i>	Same as in A. B. course	Same as in A. B. course.	
First year: Entomology, physiology, zoölogy, botany. Second year: Biological lab'y. Third and fourth years: <i>Advanced botany, anat. and physiology, economic entomology.</i>	First year: Physiology. Third year: Geology, mineralogy. Fourth year: <i>Pract. geology.</i>	First year: Hist. Third and fourth years: <i>Hist., polit. econ., constitutional and international law.</i>	Third and fourth years: <i>Pract. horticulture.</i>	
Freshman: Physiology. Junior and Senior: Elective.	Freshman: Phys. geog. Senior: Geology (LeConte). Junior and Senior: Elective.	Freshman: Civil government, Eng. hist. Sophomore: French and German hist., Greek and Roman hist., social science, polit. econ. Junior: Polit. hist. of U. S.	Junior and Senior: Elective.	73

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
73	Trinity College, Trinity College, N. C.—Continued.			
		B. S. ....	Sophomore: Same as in A. B. course. Junior: Qual. anal. (Appleton). Senior: Quant. anal. (Appleton).	Sophomore: Mechanics (Dana). Junior: Physics.
74	Ohio State University, Columbus, Ohio.	Ph. B. .... B. L. .... A. B. ....	Same as in A. B. course. .... Same as in A. B. course. .... Freshman: Chem. (Norton). Sophomore: <i>Qual. anal.</i> Junior and Senior: <i>Lab'y work.</i>	Same as in A. B. course. .... Same as in A. B. course. .... Sophomore: <i>Physics</i> (Anthony and Brackett). Junior and Senior: <i>Lab'y work.</i>
		Ph. B. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		B. S. ....	Same as in A. B. course. ....	Sophomore: Physics. Junior and Senior: Elective.
		B. Agr. ....	Sophomore and Junior: Agr. chem.	Senior: <i>Physics</i> . ....
		C. E. ....	Freshman: Chem. (Norton) ...	Sophomore: Physics. Senior: <i>Lab'y work.</i>
		M. E. ....	Freshman: Chem. Senior: Metallurgy.	Same as in C. E. course, and Senior: Thermodynamics.



and universities.—PART II—Continued.

*Italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: Botany, zoölogy, physiology.	Same as in A. B. course	(Johnston), constit. hist. of U. S. (Cooley), constit. hist. of Eng. (Hallam), polit. hist. of Eng. (Molesworth). Senior: Comp. politics, international law (Gallaudet), civil law (Robinson).	Sophomore: Draw. Junior: Mechanics (Goodeve and Rankin).	73
Same as in A. B. course Same as in A. B. course Sophomore: <i>Botany</i> (Wood) <i>physiology</i> (Martin), <i>pract. anat., comp. anat.</i> Junior and Senior: <i>Botany, zoölogy or histology.</i>	Same as in A. B. course Same as in A. B. course Freshman: <i>Mineralogy</i> (Dana). Senior: <i>Geology</i> (Le Conte).	Same as in A. B. course. Same as in B. S. course. Junior: Constit. and polit. hist. of U. S., <i>French revolution, polit. and constit. hist. of Eng., international law and municipal government.</i> Senior: Polit. econ., <i>Fr. rev., polit. and constit. hist. of Eng., international law and municipal gov.</i>	Same as in A. B. course. Same as in A. B. course. Sophomore: <i>Draw....</i>	74
Same as in A. B. course	Same as in A. B. course	Junior: Constit. and polit. hist. of U. S., <i>Fr. rev., polit. and constit. hist. of Eng., int. law and municipal gov.</i> Senior: Polit. econ., <i>Fr. rev., polit. and constit. hist. of Eng., int. law and municipal gov.</i>		
Freshman: Botany. Sophomore: Physiology, <i>pract anat., botany, comp. anat.</i> Junior and Senior: Elective. Freshman: Physiology (Walker). Sophomore: Botany. Junior: Vet. anat., zoölogy.	Freshman: Mineralogy. Senior: Geology.  Senior: <i>Geology.....</i>	Sophomore: <i>Constit. and polit. hist. of U. S., constit. law</i> (Cooley), Amer. politics (Johnston). Junior and Senior: Elective. Sophomore: Hist. of U. S. (Johnston). Senior: Constit. and polit. hist. of U. S., <i>polit. econ.</i>	Sophomore: Draw.  Freshman: Agr. (Emerson and Flint), domestic animals (Allen), gen. pathology (Stone), horticulture, stock-feeding (Stewart), materia medica (Bruce), how crops grow (Johnston), stock-breeding (Miles). Junior: Horticulture. Senior: Vet. science, agr.	
Freshman: Physiology.	Sophomore: Mineralogy (Dana). Junior: Geology. Senior: Economic geology.	.....	Freshman: Draw. Sophomore: Draw., railroad surveying. Junior: Draw., bridge strains (Du Bois), strength of materials (Wood). Senior: Civil eng. (Mahan), plans and specifications, sanitary eng., projet work.	
Same as in C. E. course.	Junior: Geology.....	.....	Freshman: Draw. Sophomore: Draw., mechanical lab'y. Junior: Mechanism, draw., designing, strength of materials. Senior: Prime movers Rankine, draw., mill work (Rankine), projet work.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
74	Ohio State University, Columbus, Ohio—Continued.	E. M. ....	Freshman: Chem. Sophomore: Lab'y work. Junior: Lab'y work, metallurgy (Phillips), assaying, blowpipe anal. Senior: Metallurgy.	Sophomore: Physics .....
75	Ohio Wesleyan University, Delaware, Ohio.	A. B. ....	Sophomore: Chem., <i>analyt. chem.</i> Junior: <i>Analyt. chem.</i>	Sophomore and Junior: Physics.
		B. S. ....	Freshman: Chem. Sophomore: <i>Analyt. chem.</i> or museum practice.	Same as in A. B. course .....
		B. L. ....	Junior: Chem .....	Senior: <i>Physics</i> .....
76	Marietta College, Marietta, Ohio.	A. B. ....	Senior: Chem. (Remsen), lab'y work.	Junior: Hydrostatics, pneumatics, acoustics, optics, heat, magnetism, elec.
		Ph. B. ....	Same as in A. B. course .....	Same as in A. B. course .....
77	Oberlin College, Oberlin, Ohio.	A. B. ....	Sophomore: Chemical phil. (Wurtz), <i>qual. anal.</i> (Stoddard), <i>quant. anal.</i> (Bolton, Fresenius).	Freshman: Mechanics and heat (Anthony and Brackett). Sophomore: <i>Magnetism, elec., sound, light.</i>
		Ph. B. ....	Sophomore: Chemical phil, <i>qual. anal.</i>	Sophomore: <i>Heat, magnetism, elec., sound, light</i> (Anthony and Brackett).
78	Western University of Pennsylvania, Allegheny, Pa.	A. B. ....	Sophomore and Junior: Gen. chem. (Kolbe's Inorganic Chemistry), chem. lab'y. Senior: <i>Chem. lab'y.</i>	Freshman and Sophomore: Physics. Senior: <i>Phys. lab'y.</i>
		Ph. B. ....	Sophomore and Junior: Same as in A. B. course. Senior: <i>Chem. lab'y.</i>	Freshman and Sophomore: Physics. Junior: <i>Phys. lab'y.</i> Senior: <i>Phys. lab'y.</i>
79	Pennsylvania Military Academy, Chester, Pa.	C. E. ....	Second year: Gen. chem. (Shepard). Third year: Blowpipe anal. (Mason). Fourth year: Qual. anal. (Appleton).	First year: Physics (Avery).
		B. S. ....	Second year: Gen. chem. Third year: Chem. physics (Cooke), <i>qual. and quant. blowpipe anal., qual. anal.</i> Fourth year: Chem. philosophy (Cooke), <i>qual. anal., quant. anal., assaying.</i>	Same as in C. E. course .....

and universities.—PART II—Continued.

*Italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Same as in C. E. course.	Sophomore: Mineralogy. Junior: Determinative mineralogy. Senior: Geology, economic geology.	.....	Freshman: Draw. Sophomore: Draw. Junior: Bridge strains. Senior: Min. eng., ore dressing, strength of materials, project work.	74
Freshman: Physiology (Huxley). Sophomore: <i>Zoölogy</i> . Junior: <i>Physiology</i> .	Junior and Senior: Geology.	Freshman: Smith's Sacred Hist. Sophomore: Public econ. Junior: Hist. of civilization. Senior: Constit. law, int. law, art hist.	.....	75
Freshman: Physiology, botany (Goodale). Sophomore: <i>Zoölogy</i> . Junior: <i>Physiology</i> . Sophomore: Physiology, botany.	Same as in A. B. course	Same as in A. B. course.		
	Same as in A. B. course	Freshman: Hist. of Greece, hist. of Rome, hist. of Eng. (Montgomery), modern hist., commercial law. Sophomore: Hist. of France, Smith's sacred hist. Senior: Constitutional law, art hist., int. law, hist. of civilization.	Freshman and Sophomore: <i>Painting, drawing</i> . Junior and Senior: <i>Music, painting, drawing</i> .	
Sophomore: Physiology (Martin). Junior: <i>Botany</i> (Gray).	Senior: Geology .....	Junior: <i>Phil. of hist., hist. of civilization, manual of the Constit. of the U. S.</i> (Andrews), <i>Eng. constit. hist.</i> Senior: <i>Phil. of hist., hist. of civilization, constit. hist., ancient and modern Rome, int. law</i> (Woolsey), <i>polit. econ.</i>	.....	76
Same as in A. B. course	Senior: Geology .....	Sophomore: Mediæval hist. (Fisher), modern hist. (Fisher). Junior and Senior: Same as in A. B. course.		
Sophomore: Botany (Gray). Junior: <i>Zoölogy</i> (Packard).	Junior: <i>Mineralogy</i> (Brush). Senior: <i>Geology</i> (LeConte).	Senior: <i>Hist. of civilization</i> (Guizot), modern hist., <i>economics</i> (Walker), <i>int. law</i> (Woolsey), <i>Eng. constit. and govt.</i>	.....	77
Same as in A. B. course	Same as in A. B. course	Junior: Mediæval hist. Senior: Same as in A. B. course.		
.....	Junior: Mineralogy. Senior: Geology.	Freshman: Hist. Senior: Int. law, U. S. constit., polit. econ.	.....	78
.....	Same as in A. B. course	Same as in A. B. course.	Freshman and Sophomore: Draw.	
.....	Fourth year: Geology	Third year: Polit. science (Alden).	First and second years: Drafting. Third year: Field work, drafting, military tactics. Fourth year: Civil eng. (Wheeler), field work, drafting, military tactics, graphics.	79
.....	Same as in C. E. course.	Same as in C. E. course.	First and second years: Drafting. Third and fourth years: Military tactics.	



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
79	Pennsylvania Military Academy, Chester, Pa.—Continued.	Arch.....	Second year: Gen. chem .....	Same as in C. E. course .....
		A. B .....	Same as in arch. course.....	Same as in C. E. course .....
80	Lafayette College, Easton, Pa.	A. B .....	Junior: Gen. chem. and lab'y work. Senior: <i>Chem.</i>	Junior: Physics.....
		Ph. B .....	Freshman: Gen. chem., org. chem. Senior: <i>Chem.</i>	Same as in A. B. course.....
		B. S .....	Same as in Ph. B. course .....	Same as in A. B. course.....
		B. S. in Chem.	Freshman: Gen. chem., lab'y work, analyt. chem. Sophomore: Analyt. chem. Junior: Theoret. chem., analyt. chem., volumetric anal., blowpipe anal., org. chem. Senior: metallurgy, analyt. chem., org. chem., chem. technology.	Same as in A. B. course.....
		C. E.....	Freshman: Gen. chem. Junior: Blowpiping.	Same as in A. B. course.....
		Min. Eng..	Freshman: Gen. chem. Junior: Analyt. chem., blowpipe anal., assaying. Senior: Metallurgy, analyt. chem.	Same as in A. B. course.....
		Elec. Eng.	Freshman: Gen. chem., org. chem. Junior: Analyt. chem., chem. lab'y, blowpipe anal.	Junior: Phys. lab'y, mechanics, hydrostatics, pneumatics, heat, elec., thermodynamics, sound, light. Senior: Elec., photometry.

and universities.—PART II—Continued.

*Italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
.....	.....	Same as in C. E. course.	First and second years: Drafting. Third year: Arch. styles (Rosengarten), drafting, military tactics, building construction (Berg). Fourth year: Civil eng., strength of materials (Kidder, Berg), drafting, military tactics, building superintendence (Clark), ventilation and heating (Billings), sanitation (Putnam).	79
.....	Same as in C. E. course.	Same as in C. E. course.	Third and fourth years: Military tactics.	80
Senior: Botany, zoölogy.	Senior: Geology (Le Conte), lithology.	Junior: Constit. of U. S. Senior: Polit. econ., hist., <i>Blackstone</i> .		
Same as in A. B. course.	Freshman: Mineralogy. Senior: Same as in A. B. course.	Same as in A. B. course.		
Sophomore: Botany. Junior: Zoölogy, botany.	Same as in Ph. B. course.	Same as in A. B. course.	Freshman: Drawing (optional).	
Sophomore: Botany	Sophomore: Physical mineralogy, descrip. mineralogy, determinative mineralogy. Junior: Geology, economic geology.	Senior: Polit. econ., hist.	Freshman: Drawing.	
Same as in B. S. in chem.	Sophomore: Same as in B. S. in chem. Senior: Same as in A. B. course.	Same as in B. S. in chem.	Freshman: Draw., division of land. Sophomore: Draw. Junior: Leveling, sewerage, roads, streets, and pavements, railroad eng., civil eng. (Mahan). Senior: Water supply, draw., theory of machines, stone cutting, machinery and motors, resistance of materials, stability of structures, river and canal improvements.	
Same as in B. S. in chem.	Sophomore: Same as in B. S. in chem. Junior: Lithology, geology, economic geology.	Same as in B. S. in chem.	Freshman and Sophomore: Same as in C. E. course. Junior: Leveling, mine sur., adjustment of instruments. Senior: Prospecting, boring, blasting, theory of machines, tunneling, shaft sinking, min. eng.	
Same as in B. S. in chem.	Same as in C. E. course.	Same as in A. B. course.	Freshman and Sophomore: Same as in C. E. course. Junior: Mech. eng., adjustment of instruments. Senior: Technical applications of elec., draw., theory of machines, machinery and motors, resistance of materials, stability of structures, foundations, walls, designs, graphical statics.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physice.
81	Haverford College, Haverford College, Pa.	A.B. ....	Sophomore: Gen. chem. Junior: <i>Qual. anal., lab'y work.</i> Senior: <i>Chem.</i>	Sophomore: Physics. Senior: <i>Acoustics, optics, elec., magnetism.</i>
		B.S. ....	Sophomore: Gen. chem. Junior: Chem., qual. and quant. anal. Senior: <i>Chem. anal.</i>	Sophomore and Junior: Physics. Senior: <i>Exp. physics.</i>
		Engineering.	Sophomore: Gen. chem., qual. anal., lab'y work. Junior: Chem., anal. chem., lab'y work. Senior: <i>Analyt. chem.</i>	Sophomore: Heat. Junior: Phys.
82	Franklin and Marshall College, Lancaster, Pa.	A.B. ....	Freshman: El. chem. Junior: Inorg. chem. (Richter), lab'y work.	Junior: Mechanics, hydrostatics, pneumatics, acoustics, optics, heat, magnetism, elec. (Olmsted).
83	University of Pennsylvania, Philadelphia, Pa.	Arts ....	Sophomore: Inorg. and org. chem.	Sophomore: Mech. (Lodge). Junior: Sound, heat, light, elec. (Stewart). Senior: <i>Math. physics.</i>
		Philosophy.	Sophomore: Inorg. chem. Junior: Inorg. analyt. chem., org. chem. Senior: <i>Org. chem.</i>	Sophomore and junior: Same as in arts course.
		Finance and Economy.	Sophomore: Same as in course in arts or in philosophy.	Sophomore: Same as in arts course.



and universities.—PART II—Continued.

Italics are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: <i>Physiology, descrip. botany.</i> Senior: <i>Gen. biology.</i>	Junior: <i>Geology</i> .....	Freshman: <i>Hist. of Greece, hist. of Rome, Greek and Roman antiquities.</i> Sophomore: <i>Eng. hist.</i> Junior: <i>Polit. econ., Constit. of U. S., mediæval and modern hist.,</i> Senior: <i>Polit. econ., int. law, constit. hist. of Eng., mediæval and modern hist., Renaissance, Reformation, hist. of Eng., Constit. and polit. hist. of U. S., ecclesiastical hist.</i>	Junior: <i>Shop-work, mech. draw.</i> Senior: <i>Civil and sanitary eng.</i>	81
Freshman: Same as in A. B. course. Sophomore: <i>Gen. biology.</i> Junior: <i>Cryptogamic botany and vertebrate zoölogy.</i> Senior: <i>Invertebrate zoölogy and embryology.</i>	Junior: <i>Geology, mineralogy (Dana).</i>	Same as in A. B. course.	Freshman and Sophomore: <i>Draw.</i> Senior: Same as in A. B. course.	
.....	Junior: <i>Geology</i> .....	Freshman: Same as in A. B. course. Sophomore: <i>Polit. econ., Constit. of U. S.</i>	Freshman: <i>Draw., Shop-work.</i> Sophomore: <i>Pract. mech., draw.</i> Junior: <i>Mech. eng., civil eng., pract. mech., draw.</i> Senior: <i>Mech. eng., sanitary eng., drafting, civil eng.</i>	82
Sophomore: <i>Pract. zoölogy (Colton), botany (Bastin), pract. exercises in biology, pract. botany (Gray).</i> Junior: <i>Anat. (Martin), histology.</i>	Freshman: <i>Phys. geog. (Geikie).</i> Senior: <i>El. of geology (LeConte), dynamic and structural geology.</i>	Freshman: <i>Oriental hist. (Fisher), hist. of Greece and Rome (Fisher).</i> Sophomore: <i>Mediæval and modern hist. (Fisher), phil. of hist.</i> Senior: <i>Polit. econ. (Walker), prehistoric archæology.</i>	.....	83
Junior: <i>Botany, (Gray), anat., zoölogy.</i> Senior: <i>Anat., zoölogy, histology (Schaffer).</i>	Junior: <i>Mineralogy. (Dana).</i> Senior: <i>Geology.</i>	Freshman: <i>Freeman's Gen. Sketch of Hist.</i> Sophomore: <i>Freeman's Gen. Sketch of Hist., Constit. of U. S.</i> Junior: <i>Church and state in America, economics, hist. of America.</i> Senior: <i>Phil. of hist., modern hist., int. law, el. of polit. econ. (Thompson).</i>	.....	
Junior: <i>Gen. zoölogy, gen. biology (Dolley), anat., botany (Gray).</i> Senior: <i>Zoölogy, anat., zoötomy, histology, embryology, physiology, structural physiological and economic botany.</i>	Same as in arts course.	Freshman: <i>Mediæval and modern hist. (Myers).</i> Sophomore: <i>Polit. and constit. hist. of Europe since 1789, Amer. hist.</i> Junior: <i>Economic and social hist. of Europe since 1789.</i> Senior: <i>Int. law, polit. econ.</i>	Freshman: <i>Draw.</i>	
.....	.....	Freshman and Sophomore: Same as in course in arts or in phil. Junior: <i>Theory of the state, public functions, colonial hist., hist. of pub. domain, distribution of population, government, social hist., polit. econ. (Thompson), currency and banking (Jevons), church and state in America, int.</i>		

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
83	University of Pennsylvania, Philadelphia, Pa.—Cont'd.			
		Chemistry.	Sophomore: Inorg. chem. Junior: Lab'y practice and recitations in analyt. chem., org. chem. Senior: Metallurgy, quant. anal., applied inorg. chem., applied org. chem., org. lab'y, chem. seminary, assaying. Post-senior: Applied org. chem., indust. chem. lab'y, advanced chem. theory, special metallurgy, chem. seminary, <i>lab'y work</i> .	Sophomore and Junior: Same as in arts course. Senior: Pract. physics, <i>phys. lab'y</i> .
		Mining and Metallurgy.	Sophomore: Inorg. chem. Junior: Qual. anal. Senior: Metallurgy, assaying, and blowpipe anal., analyt. chem. Post-senior: Metallurgy, analyt. chem.	Same as in course in chem....
		Civil Eng.	Sophomore: Inorg. chem. Junior: Qual. anal. Senior: Metallurgy, <i>blowpipe anal.</i>	Sophomore, Junior, and Senior: Same as in course in chem. Post-senior: Hydro-mechanics.
		Dynam. Eng.	Sophomore: Inorg. chem. Senior: Metallurgy.	Sophomore: Mech. Junior: Sound, heat, light, elec., hydrostatics. Senior: Pract. phys., <i>phys. lab'y</i> , hydrodynamics, elec. Post-senior: Hydrodynamics, thermodynamics, electrodynamics.
		Drawing and Arch.	Same as in dynam. eng. ....	Same as in course in chem....
84	Lehigh University, South Bethlehem, Pa.	Classical ..	Freshman: El. chem. (Fowne), Sophomore: <i>Qual. anal.</i>	Sophomore: Physics .....
		Lat-Scientific, Science and Letters.	Freshman: El. chem. .... Freshman: El. chem., qual. anal.	Sophomore: Physics ..... Sophomore: Mechanics, heat, elec., sound, light, meteorology.

and universities.—PART II—Continued.

*italics* are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
		law, methods of accounting, civil govt. Amer. politics (Johnston), polit. econ. (Walker), economic hist. of U. S. Senior: Social science, polit. econ. (Mills), Amer. constit. hist. (Von Holst, Bancroft), finance, civil govt., mercantile law (Parsons), indust. hist. of U. S., Amer. constit. hist., polit. econ. (Ingram), mercantile practice, statistics, constit. and Rom. law (optional).		83
	Junior and Senior: Mineralogy. Post-senior: Geology.	Freshman and Sophomore: Same as in course in phil. Junior: Economics and social hist. of Europe since 1789. Senior: Int. law, polit. econ. (Thompson).	Freshman: Draw. Senior: Mech. draw. Post-senior: Prin. of mechanism.	
	Junior: Mineralogy, geology, lithology, palæontology. Senior: Mineralogy, palæontology. Post-senior: Geology.	Freshman and Sophomore: Same as in course in phil. Senior: Same as in course in chem.	Freshman: Draw. Junior: Draw., mining. Senior and Post-senior: Mining eng.	
	Senior: Mineralogy. Post-senior: Geology.	Same as in course in chem.	Freshman: Draw. Junior: Draw., engineering, statics. Senior: Draw., arch., engineering. Post-senior: Pract. eng., drawing, modeling, arch.	
		Same as in course in chem.	Freshman: Draw. Junior: Statics, kinematics, draw., shop work. Senior: Kinematics, steam-engine and boilers, shop work, eng. appliances.	
	Same as in civil eng...	Same as in course in chem.	Freshman: Draw. Junior: Arch., graphical statics. Senior: Draw., arch., engineering. Post-senior: Arch., draw., engineering.	
Freshman: Physiology.	Senior: Geology (Geikie).	Freshman: Hist. of Greece, hist. of Rome, Roman antiquities. Sophomore: Hist. of Rome, antiquities, universal hist. (Weber). Junior: Polit. hist. of recent times (Muller), hist. of Eng. (Hume), polit. econ. Senior: Int. law (Woolsey), Roman Empire (Gibbon), phil. of hist. Same as in classical course.		84
Freshman: Physiology.	Senior: Geology (Geikie).	Same as in classical course.		
Freshman: Physiology. Junior: Zoölogy (Tenney).	Junior: Crystallography, descrip. mineralogy. Senior: Lithology (Williams), historic, dynamic, and economic geology.	Freshman: Hist. of Rome and Greece. Sophomore: Hist. of Rome, universal hist. Junior and Senior: Same as in classical course.		



TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Classics.	Physics.
84	Lehigh University, South Bethlehem, Pa.—Continued.	Civil eng.	Freshman: El. chem. ....	Sophomore: Same as in course in science and letters. Senior: Hydraulics.
		Mech. eng.	Freshman: El. chem. Junior: Metallurgy.	Sophomore: Same as in course in science and letters. Senior: Thermodynamics, hydraulics.
		Metallurgy.	Freshman: El. chem. Sophomore: Qual. anal. (Douglass and Prescott), stoichiometry. Junior: Assaying (Ricketts), chem. phil. (Cooke), metallurgy, blowpipe anal., quant. anal. (Fresenius). Senior: Metallurgy, blowpipe anal., quant. anal.	Sophomore: Mech., heat, elec. Senior: Hydraulics.
		Mining ...	Freshman: El. chem. Sophomore: Qual. anal. Junior: Blowpipe anal. Senior: Assaying.	Same as in course in metallurgy.
		Elec. eng.	Same as in course in letters and science.	Sophomore: Mech., sound, heat. Junior: Light, magnetism, meteorology, elec. static. elec., voltaic elec. Senior: Elec. lightning, telegraph and telephone. applications of elec. to railways, dynamic machines.
		Chemistry.	Freshman: El. chem., qual. anal., stoichiometry. Sophomore: Chem. phil., quant. anal., blowpipe anal. Junior: Toxicology, quant. anal., org. chem., metallurgy. Senior: Metallurgy, assaying, org. chemistry, indus. chem., agr. chem., sanitary chem.	Same as in science and letters.
		Arch.....	Freshman: El. chem.	Same as in civil eng. course.
85	Swarthmore College, Swarthmore, Pa.	A. B. ....	Junior* Gen. el. chem., <i>lab'y work.</i> Senior: <i>Chem.</i>	Sophomore: Gen. physics (Gage), mech. (Peck). Junior: <i>Thermodynamics, light.</i>

and universities.—PART II—Continued.

italics are elective.

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Freshman: Physiology.	Same as in course in letters and science.	Junior: Hist.....	Freshman and Sophomore: Draw. Junior: Strength of materials, construction, roofs and bridges. Senior: Bridges, hydraulic and sanitary eng.	84
Same as in civil eng. course.	.....	Junior: Hist.....	Freshman: Drawing, machine design. Sophomore: Machine design, steam engine (Holmes). Junior: Mech. technology, boilers (Wilson), strength of materials, kinematics, machine design, machinery of transmission. Senior: Statics, machine design, kinematics, mechanics of machinery, measurement of power.	
Same as in civil eng. course.	Junior: Same as in course in letters and science. Senior: Economic geology.	Junior: Hist.....	Freshman: Machine and min. draw. Sophomore: Draw. Junior: Strength of materials, steam engine. Senior: Mechanics of machinery, graphical statics, projects, mining, draw.	
Same as in civil eng. course.	Sophomore: Crystallography, descrip. mineralogy. Senior: Same as Junior in course in letters and science.	Junior: Hist.....	Freshman: Machine and min. draw. Junior: Strength of materials, steam engine. Senior: Mining, mechanics of machinery, draw., projects.	
Same as in civil eng. course.	.....	Junior: Hist.....	Freshman: Drawing. Sophomore: Draw., steam engine. Junior: Strength of materials, boilers, machine design. Senior: Machine design, graphical statics of mechanism, measurement of power.	
Same as in civil eng. course.	Junior: Same as in course in science and letters. Senior: Lithology, historic and dynamic geology.	.....	Freshman: Draw.....	
Same as in civil eng. course.	.....	Junior: Hist. of architecture.	Freshman and Sophomore: Draw. Junior: Strength of materials, draw., construction, roofs and bridges, arch. Senior: Roofs and bridges, mechanics of machinery, boilers, arch., heating, ventilation, sanitary eng.	85
Freshman: Zoölogy, el. botany, physiology. Sophomore: Zoölogy, advanced botany. Junior and Senior: <i>Gen. biology.</i>	Senior: <i>Mineralogy</i> , geology (Winchell).	Freshman: Hist. of Rome (Creighton), Rom. antiquities (Wilkins), development of Rom. constit. (Tighe). Sophomore: <i>Mediæval and mod. hist.</i> (Myers). Junior: <i>Eng. constit. hist.</i> , Amer. polit. and constit. hist. Senior: Polit. econ. (Walker), <i>int. law.</i>	Extras: Drawing, painting, phonography.	

TABLE 28.—*Courses of study in colleges*

[NOTE—Studies in

	Name and location.	Course.	Chemistry.	Physics.
85	Swarthmore College, Swarthmore, Pa.— Continued.	B. L. ....	Same as in A. B. course. ....	Same as in A. B. course. ....
		B. S. ....	Freshman: Gen. el. chem., lab'y work. Sophomore: Analyt. chem., qual. and quant. anal. Junior: Modern theory, quant. chem. anal.	Sophomore: Same as in A. B. course. Junior: Thermo- dynamics, light. Senior: <i>Elec. eng.</i>
		Eng. ....	Freshman and Sophomore. Same as in B. S. course. Jun- ior and Senior: <i>Chem.</i>	Same as in B. S. course. ....
86	Washington and Jefferson College, Washington, Pa.	A. B. ....	Junior: Inorg. chem. (Roscoe). Senior: <i>Qual. anal., volumet- ric anal.</i>	Junior: El. mech., hydro- statics, acoustics (Ganot). Senior: heat, light, mag- netism, elec.
		B. S. ....	Junior: Inorg. and org. chem. Senior: Same as in A. B. course.	Same as in A. B. course. ....
87	Brown University, Providence, R. I.	A. B. ....	Junior: Descrip., exp., and theoret. chem., stoichiomet- ry, <i>analyt. chem.</i> Senior: <i>Analyt. chem.</i>	Sophomore: Mechanics. Jun- ior: Physics. Senior: <i>Lab'y work.</i>
		Ph. B. ....	Sophomore: <i>Gen. chem., analyt. chem.</i> Junior: <i>Analyt. chem.</i> Third year: Inorg. chem. (Richter), qual. anal.	Same as in A. B. course. ....
88	University of South Carolina, Colum- bia, S. C.	Gen. Sci. ...		Second year: Prin. of phys- ics.
		Civil Eng.	Second year: Same as in third year in course in gen. sci- ence. Third year: Qual. anal.	Second year: Prin. of phys- ics. Third year: Pract. physics. Fourth year: Ther- modynamics.
		Mech. Eng.	Second year: Inorg. chem. Fourth year: Qual. anal.	Second year: Prin. of phys- ics. Third year: Pract. physics, mech. Fourth year: Thermodynamics.
		Agricul- ture.	Second year: Inorg. chem. Third year: Org. chem., qual. anal. Fourth year: Agr. chem., quant. anal.	Same as in course in gen. science.
		Chemistry.	Second year: Inorg. chem. Third year: Org. chem., chem. tech., qual. anal. Fourth year: Quant. anal., volumetric and org. anal., agr. chem.	Second and third years: Same as in civil eng. course.



and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Same as in A. B. course.	Same as in A. B. course.	Freshman: Same as in A. B. course. Sophomore: Mediaeval and modern hist. Junior: Eng. constit. hist., Amer. polit. and constit. hist. Senior: Same as in A. B. course.	Same as in A. B. course.	85
Freshman and Sophomore: Same as in A. B. course. Junior and Senior: Gen. biology.	Same as in A. B. course.	Freshman and Sophomore: Same as in A. B. course. Junior: Eng. constit. hist., Amer. polit. and constit. hist. Senior: Same as in A. B. course.	Same as in A. B. course.	
Freshman: Physiology, zoölogy, botany. Junior and Senior: Gen. biology.	Same as in A. B. course.	Elective .....	Freshman and Sophomore: Shop-work, drafting, drawing, painting, phonography. Junior: Eng., phon., draw., painting. Senior: Eng., eng. practice, phon., draw., painting.	
Junior: Physiology (Huxley), zoölogy (Packard), botany (Gray).	Senior: Geology (Dana).	Freshman: Reign of Edward III (Hume). Sophomore: Reign of Queen Elizabeth (Hume.) Junior: Polit. econ. (Walker), constit. law (Cooley). Same as in A. B. course..	Freshman: Draw.	86
Freshman: Botany (Gray). Sophomore: El. biol. comp. anat., bot. Junior: Physiol. Sophomore: Physiology, botany. Junior: Zoölogy. Senior: Agr. zoölogy.	Freshman: Phys. geog. Junior: Mineralogy (Dana). Senior: Geology. Senior: Geology (Dana).	Junior: Gen. hist. of Europe, polit. econ. (Walker). Senior: Constit. and polit. hist. of Eng. and U. S., int. law, hist. of polit. econ., constit. of European and American states. Same as in A. B. course.	Freshman: Drawing.	87
Same as in A. B. course.	Freshman: Phys. geog. Senior: Geology. Fourth year: Mineralogy, geology.	First year: Europe and the middle ages, modern European hist. (Myers), hist. geog. Fourth year: Polit. econ.	First year: Draw.	88
Third year: Struct. botany (Gray), physiology, zoölogy (Claus).	Same as in course in gen. science.	.....	First year: draw., mech. technology. Second and third years: Draw. Fourth year: Civil eng., draw.	
.....	Same as in course in gen. science.	.....	First year: Draw., mech. tech., wood-work. Second year: Mech. tech., and draw., vice-work. Third year: Prin. of mech., draw., mach. work. Fourth year: Designing, draw., machine work.	
Second year: Struct. and systematic botany. Third year: entomology, zoölogy, physiology, veg. physiology, cryptogamic botany.	Same as in course in gen. science.	Fourth year: Polit. econ.	First year: Draw., agr., wood-work, mech. tech. Second year: Agr., horticulture. Third year: Vet. science, animal husbandry, agr. Fourth year: Vet. science, agr.	
Third year: Struct. and systematic botany, zoölogy, physiology. Fourth year: Physiol. and cryptogamic botany, microscopy, bacteriology.	Third year: Mineralogy. Fourth year: Geology, appl'd mineralogy.	.....	First year: Drawing.	

TABLE 28.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
88	University of South Carolina, Columbia, S. C.—Continued.	Nat. Hist..	Second year: Inorg. chem. Third year: Qual. anal. Fourth year: Quant. anal.	Same as in course in chemistry.
		Classical..	Third year: Inorg. chem.....	Same as in course in gen. science.
		Latin and Mod. Lang.	Same as in classical course....	Same as in course in gen. science.
		Eng. Lit...	Same as in classical course....	Same as in course in gen. science.
		Hist. and Phil.	Same as in classical course....	Same as in course in gen. science.
89	University of Tennessee, Knoxville, Tenn.	Lat.-Liter.-Sci. Scientific.	Sophomore: El. chem. Junior: <i>Agr. and org. chem.</i>	Junior: Physics.....
			Sophomore: <i>El. chem.</i> Junior: Same as in Lit.-scien. course.	Same as in lit.-scien. course...
		Agr.....	Sophomore: El. chem. Junior: Agr. chem. Senior: Quant. anal.	Same as in lit.-scien. course...
		Chem.....	Sophomore: El. chem. Junior: Analyses, agr. and org. chem. Senior: Analyses, metallurgy.	Same as in lit.-scien. course...
		Civil Eng.	Sophomore: El. chem.....	Junior: Mech., physics. Senior: Mech.
		Mech. Eng.	Sophomore: El. chem.....	Same as in civil eng. course...
		Min. Eng..	Sophomore: El. chem. Junior: Analyses. Senior: Metallurgy, analyses.	Junior: Mech., physics.....
90	Fisk University, Nashville, Tenn.	A. B.....	Senior: Chem. (Eliot and Storer).	Junior: Physics (Gillet and Rolfe).
91	Vanderbilt University, Nashville, Tenn.	A. B.....	Junior: Chem., physics, inorg. chem., org. chem. (Roscoe, Bloxam or Remsen).	Junior: Doctrine of forces and their applications, sound, heat, magnetism, elec. (Peck's mech., Atkinson's Ganot). Senior: Optics.

and universities—PART II.—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Third year: Same as in course in chem. Fourth year: Physiological and cryptogamic botany, microscopy, bacteriology, physiology. Second year: Struct. botany, physiology. Third year: Same as in second year in classical course. Same as in classical course. Same as in classical course. Freshman: Botany, zoölogy. Sophomore: Botany or systematic zoölogy. Junior: <i>Entomology and physiology</i> . Senior: Elective.	Third year: Mineralogy, geology. Fourth year: Applied geology and mineralogy. Fourth year: Geology. Same as in classical course. Same as in classical course. Same as in classical course. Senior: <i>Mineralogy and geology</i> .	..... Same as in course in gen. science. Same as in course in gen. science. Same as in course in gen. science. Sophomore: Hist. of England. Senior: Polit. econ., hist. of civilization.	First, third and fourth years: Drawing.	88
Freshman: Bot., zoölogy. Sophomore: <i>Botany or systematic zoölogy</i> . Junior and Senior: Same as in lit. science course.	Same as in lit. scientific course.	Same as in lit. science course.	Freshman: Draw. Junior: Military tactics.	89
Freshman: Bot., zoölogy. Sophomore: Bot., systematic zoölogy. Junior: Bot., entomology. Senior: Zoölogy.	..... Same as in lit. science course.	Same as in lit. science course.	Freshman: Draw., shop work, agr. Sophomore: Agr. Junior: Agr., mil. tactics. Senior: Agr., horticulture.	
Freshman: Bot., zoölogy.	Senior: Mineralogy, geology.	Sophomore: Hist. of England.	Freshman: Draw., shop work, agr. Sophomore: Draw. Junior: Mil. tactics.	
.....	Same as in chem. course.	Sophomore: Hist. of England. Senior: Polit. econ.	Freshman: Draw., shop work. Sophomore: Draw. Junior: Civil eng., draw., materials, tactics. Senior: Prime movers, civil eng.	
.....	.....	.....	Freshman and Sophomore: Draw., shop work. Junior: Materials, draw., shop work, tactics. Senior: Prime movers, machine design, shop work, indicator practice.	
.....	Same as in chem. course.	.....	Freshman and Sophomore: Draw., shop work. Junior: Tactics. Senior: Mine surveying.	
Sophomore: Botany (Wood). Junior: Physiology (Martin). Senior: Zoölogy (Tenney).	Senior: Geology and mineralogy (Dana).	Senior: Polit. econ. (Wayland).	.....	90
Senior: Struct. and systematic botany, gen. zoölogy, biology.	Senior: Gen. mineralogy, physiography, lithology, historical and dynamical geology.	Freshman: Hist. of Greece (Smith), Labberton's atlas. Sophomore: Hist. of Rome (Leighton), Labberton's atlas. Junior: <i>Hist. of Eng. people</i> (Green), <i>hist. of Germany</i> (Bayard Taylor). Senior: <i>Polit. econ.</i> (Mill), <i>int. law</i> (Davis), <i>hist. of Amer. politics</i> (Johnston).	.....	91



TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
91	Vanderbilt University, Nashville, Tenn.—Cont'd.	B. S. ....	Freshman: Chem. physics, inorg. chem., org. chem. Sophomore: Chem. technology (Wagner), lab'y work. Junior: <i>Org. chem., lab'y work.</i> Senior: <i>Metallurgy.</i>	Same as in A. B. course. ....
		Civil eng..	Freshman: Chem. physics, org. and inorg. chem., qual. anal., exp. work. Sophomore: Quant. anal. Junior: Chem. tech., application of chem. to arts and manufactures, quant. anal. (optional). Fifth year: Lab'y tests of potability of drinking waters.	Junior: Same as in A. B. course, and mech., hydraulics. Senior: Optics.
		Mech. eng.	Freshman and Sophomore: Same as in civil eng. course. Junior: Chem. tech., application of chem. to the arts and manufactures, quant. anal. Senior: <i>Metallurgy, chem. lab'y.</i>	Junior: Same as in civil eng. course. Senior: Optics, phys. lab'y, thermodynamics. Fifth year: Phys. lab'y.
		Min. eng ..	Same as in mech. eng. course, and, fifth year, metallurgy, chem. lab'y.	Junior: Same as in civil eng. course. Senior: Phys. lab'y. Fifth year: Optics.
92	University of Texas, Austin, Tex.	A. B. ....	Sophomore: <i>El. chem.</i> (Shepard). <i>qual. anal.</i> (Fresenius). Junior: <i>Chem. phil.</i> (Cooke). <i>org. chem.</i> (Remsen), <i>qual. anal.</i> Senior: <i>Technological chem., quant. anal., theories of chem.</i>	Freshman: <i>Mech., hydrostatics, pneumatics, elec., magnetism.</i> Sophomore: <i>Light, heat, sound.</i> Junior and Senior: <i>Pract. physics.</i>
		B. L. ....	Same as in A. B. course .....	Same as in A. B. course. ....
		Scientific..	Sophomore: <i>El. chem., qual. anal.</i> Junior: <i>Chem. phil., org. chem., qual. anal.</i> Senior: <i>Technological chem., quant. anal., theories of chem.</i>	Freshman: <i>Mech., hydrostatics, pneumatics, elec., magnetism.</i> Sophomore: <i>Light, heat, sound.</i> Junior: <i>Pract. physics.</i>
		Engineering.	Sophomore: <i>El. chem., qual. anal.</i> Junior and senior: Same as in A. B. course.	Freshman: Same as scientific course. Sophomore and junior: Same as in A. B. course. Senior: <i>Elec. eng.</i>
		Chemistry.	Same as in scientific course ...	Freshman, Sophomore, and Junior: Same as in scientific course. Senior: <i>Elec. eng.</i>

and universities.—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Sophomore: Same as Senior in A. B. course. Junior: Botany, zoölogy.	Sophomore: Same as Senior in A. B. course. Junior: Determinative mineralogy, lithology. Senior: <i>Applied geology.</i>	Freshman: Hist. of Eng. people, hist. of Germany, Labberton's Atlas. Junior: <i>Hist. of Rome, hist. of Greece.</i> Senior: Same as in A. B. course.		91
Junior: Struct. and systematic botany and gen. zoölogy (optional). Senior: Same as in A. B. course. Fifth year: Botany and zoölogy with the microscope.	Junior: Same as Senior in A. B. course (optional). Senior: Same as in A. B. course. Fifth year: Same as Junior in B. S. course.	Fifth year: Polit. econ., int. law.	Freshman: Drafting, wood shop. Sophomore: Drafting, forge, shop, and foundry, kinematics of machinery (optional). Junior: Materials, machine design (opt.), shop work (opt.). Senior: Eng. Fifth year: Eng., eng. law.	
Junior: Same as in civil eng. course.	Junior: Same as in civil eng. course.	Senior: Polit. econ., int. law.	Freshman: Drafting, wood shop. Sophomore: Drafting, forge, shop, and foundry, kinematics of machinery. Junior: Materials, machine design (opt.), shop work. Senior: Shop work, steam-boilers, Fifth year: Designing, shop work, eng., eng. law.	
Junior: Struct. and systematic botany, gen. zoölogy.	Junior: Same as Senior in A. B. course. Senior: <i>Applied geology.</i>	Same as in mech. eng...	Freshman and Sophomore: Same as in mech. eng. course. Junior: Materials, machine design, shop work. Senior: Eng., machinery. Fifth year: Mining, structures, ventilation, drainage, eng. law.	
Senior: <i>Physiology</i> (Flint, Gray, Foster), <i>botany.</i>	Junior and Senior: <i>Geology</i> (Geikie).	Freshman: Hist. of Greece (Smith), hist. of Rome (Merivale). Sophomore: <i>Hist. of Middle Ages</i> (Gibbons). Junior: <i>Hist. of modern Europe</i> (Lodge). Senior: <i>Hist. of Eng.</i> (Green), polit. econ. (Say).	Junior and Senior: <i>Graphics.</i>	92
.....	Same as in A. B. course	Freshman: Same as in A. B. course. Sophomore: Hist. of middle ages. Junior: Hist. of modern Europe. Senior: Same as in A. B. course.	Same as in A. B. course.	
.....	Junior and Senior: <i>Geology.</i>	Sophomore, Junior, and Senior: Same as in A. B. course.	Same as in A. B. course.	
Same as in A. B. course.	Same as in A. B. course.	Freshman: <i>Hist. of Greece, Hist. of Rome.</i> Sophomore, Junior and Senior: Same as in A. B. course.	Freshman: Draw., field practice, graphics. Sophomore: Draw., highways, railroads, and canals, drainage, and sewerage, graphics. Junior: Graphics, stereotomy, strength of materials, eng. structures. Senior: Graphics, draw., machinery, eng. structures.	
Sophomore: <i>Biology</i> ..	Junior: <i>Geology.</i> Senior: <i>Geology.</i>	Same as in engineering course.	Same as in eng. course ( <i>elective</i> ).	

TABLE 28—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
92	University of Texas, Austin, Tex.—Continued.	Physics...	Same as in Eng. course.....	Freshman and Sophomore: Same as in scientific course. Junior: Pract. physics. Senior: Pract. physics, elec. eng.
		Geology...	Sophomore and Junior: Same as in scientific course. Senior: Same as in A. B. course.	Freshman and sophomore: Same as in scientific course.
93	University of Vermont, Burlington, Vt.	Arts .....	Sophomore: El. chem .....	Junior: El. mech. and el. physics (Daniell).
		Lit.-Scien.	Sophomore: El. chem .....	Same as in A. B. course.....
		Engineering.	Freshman: Gen. principles of chem., lab'y work.	Sophomore: Physics (Stewart). Junior: Mech. (Weissbach). Senior: Mech., hydrostatics, hydraulics.
		Chemical..	Freshman: Same as in Eng. course. Sophomore: Qual. anal., quant. anal. Junior: Quant. anal. stoichiometry, assaying. Senior: Org. chem., lab'y work, hist. of chem., indust. chem.	Sophomore: Physics.....
		Agr. ....	Freshman and Sophomore: Same as in chem. course. Junior: Quant. anal., blow- pipe anal., anal. of manures. Senior: Anal. of foods, anal. of soils, animal chem.	Junior: Physics, meteorology (Loomis).
94	Middlebury College, Middlebury, Vt.	Classical..	Junior: Chem. (Greene and Jones).	Sophomore: Mechanics (Dana). Junior: Physics (Atkinson's Ganot), elec., heat, light.
		Lat.-Scien.	Same as in classical course....	Same as in classical course....
95	Randolph-Macon College, Ashland, Va.	Ph. B .....	Inorg. chem. (Shepard), chem. phil., chem. anal., org. chem. (Youman), chem. of carbon compounds.	Mechanics (Dana), <i>theoret.</i> <i>physics</i> (Daniell, Jevons).
96	Hampten-Sidney College, Hampden- Sidney, Va.	A. B .....	Same as in Ph. B. course..... Junior: Chem. (Yonman, Wurtz), <i>chem. phil.</i> (Cooke), <i>technology</i> (Wagner), agr. chem. (Johnston).	Mechanics..... Senior: Physics (Ganot), Mech. (Bartlett).
97	Washington and Lee University, Lexington, Va.	.....	El. chem. (Remsen, Cooke), inorg. chem. (Richter), org. and theoret. chem. (Remsen).	Prop. of matter, hydrostatics, pneumatics, acoustics, heat, light, elec., magnetism (Gage), el. mechanics (Dana), hydraulics, analyt. mechanics (Michie).
98	University of Virginia, Charlottesville, Va.	A. B. ....	Gen. chem. (Fowne), chem. technology (Wagner).	Sound, light, heat, elec., (Smith), math. physics.



and universities,—PART II—Continued.

*italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
Sophomore: <i>Biology</i> ..	Same as in course in chem.	Same as in Eng. course	Freshman: Graphics, <i>draw., field practice.</i> Sophomore, Junior, and Senior: Same as in course in chem.	92
Sophomore: Biology, botany.	Junior: Geology, geologic methods, mineralogy, applied geology. Senior: geology, paleontology.	Freshman, Sophomore, and Junior: Same as in Eng. course. Senior: Hist. of England, polit. econ.	Same as in course in physics.	
Junior: Botany, physiology (Martin), zoölogy.	.....	Senior: Constit. hist., hist. of civilization (Guizot), int. law (Woolsey), polit. econ. (Mill).	.....	93
Junior: Same as in A. B. course and anthropology.	Junior: Mineralogy (Dana). Senior: Geology (Le Conte).	Same as in A. B. course.	.....	
Freshman: Botany. Junior: Physiology.	.....	.....	Freshman: Draw. Sophomore: Field work, draw. Junior: Draw., field work, eng. (Searle). Senior: Draw., civil eng. (Mahan).	
Junior: Zoölogy, physiology.	Junior: Crystallography, mineralogy. Senior: Geology.	Senior: Polit. econ. ....	Freshman: Draw.	
Same as in chem. course.	Same as in chem. course.	Senior: Polit. econ., Constitution of U. S.	Freshman and Sophomore: Same as in eng. course. Junior: Forestry. Senior: Road-making, breeding of animals, vet. med. and surg.	
Junior: Botany (Kellerman, Gray).	Senior: Geology (Orton, Dana).	Freshman: Hist. of Rome, hist. of Greece (Smith). Sophomore: Hist. of Rome. Junior: Science of wealth (Pollard's Laveleye). Senior: Constit. law (Cooley), int. law (Davis).	.....	94
Freshman: Physiology (Huxley). Junior: Botany.	Sophomore: Physiographic geology (Geikie). Senior: same as in classical course.	Freshman: Hist. of Rome, Eng. hist. (Green), civics (Young). Sophomore: Hist. of Rome, Hist. of civilization (Guizot). Junior and Senior: Same as in classical course.	.....	
Physiology (Martin), botany (Gray), zoölogy (Huxley and Martin, Brooks, Conn).	Geology (Le Conte), <i>mineralogy</i> (Dana).	Polit. econ. (Walker)....	<i>Draw</i> .....	95
Physiology.....	Geology.....	Same as in Ph. B. course.	.....	
Junior: Physiology (Huxley and Youman).	Senior: Geology (Le Conte).	Senior: Polit. econ. (Perry), Hist. of Civilization (Guizot).	Civil eng.....	96
Zoölogy (Packard), botany (Gray), pract. biology (Marshall and Hurst, Huxley and Martin), physiology (Martin, Wilson).	Mineralogy (Dana), geology (Le Conte).	Modern hist., Bible hist., civil govt. (Young), polit. econ. (Perry).	Draw., stonecutting (Warren), civil eng. (Rankine), field eng. (Searle), steam and gas-engines.	97
.....	.....	Hist. of Greece, (Smith), hist. of Rome, (Merivale), hist. of Decline and Fall of Rome, (Gibbons), modern hist. (Lodge), Labberton's new hist.	.....	98

TABLE 23.—*Courses of study in colleges*

NOTE.—Studies in

	Name and location.	Course.	Chemistry.	Physics.
98	University of Virginia, Charlottesville, Va.—Cont'd.	A. M. ....	Gen. chem. (Fowne).....	Same as in A. B. course, and pract. physics. (Kohlrausch).
		C. E. ....	Gen. or indus. chem. ....	Same as in A. B. course, and <i>pract. physics</i> , applied mech.
		Min. eng. ....	Gen. and indus. chem., an- alyt. chem.	Same as in A. B. course.....
		B. S. A. ....	Gen. and indus. chem., an- alyt. and agr. chem.	Same as in A. B. course.....
99	University of Washington, Seattle, Wash.	A. B. ....	Junior: chem. (Avery).....	.....
		B. S. ....	Same as in A. B. course .....	.....
100	West Virginia University, Morgantown, W. Va.	A. B. ....	Second year: Inorg. chem....	First year: Mech., elec., mag- netism, sound, heat, light, (Arnott, Avery).
		B. S. ....	Second year: Inorg. chem., chem. phil., org. chem.	Same as in A. B. course.....
		Eng. ....	Second year: Same as in B. S. course. Third year: An- alyt. chem.	Same as in A. B. course.....
101	University of Wisconsin, Madison, Wis.	.....	Descrip. inorg. chem., qual. anal., descrip. org. chem., quant. anal., advanced org. chem., metallurgical course in chem., toxicology and urine anal., metallurgy, as- saying, agr. chem.	Exp. lectures on sound, light, heat, elec., and magnetism; lab'y work in elec., magnet- ism, sound, and light; math. physics, el. mechanics, (Dana), analyt. mech. (Bow- ser), thermodynamics, agr. physics.

and universities.—PART II—Continued.

*Italics are elective.*

Biology.	Geology and mineralogy.	History and political economy.	Technics.	
				98
	Geology, (Le Conte), mineralogy, and lithology (Dana). Same as in C. E. course.		Road and railroad eng., bridge construction, hydraulic and sanitary eng.	
Biology (Huxley and Martin), botany (Bessey, Gray, Chapman), pract. biology. Sophomore: Biology (Colton), zoölogy, (Packard).	Same as in C. E. course.		Prin. of agr. (Johnson, Storer).	
	Junior: Mineralogy (Dana). Senior: geology (Winchell).	Junior: Polit. econ. (Chapin-Wayland), gen. hist. (Thalheimer).		99
Same as in A. B. course.	Same as in A. B. course.	Same as in A. B. course.		
Second year: Field botany (Gray). Third year: Zoölogy. Fourth year: Anat., physiology.	Third year: Geology (Le Conte).	First year: Polit. econ.; Second year: Ancient, mediæval, and modern hist. (Myers). Third year: Polit. econ.	Fourth year: Agriculture.	100
Second year: Field botany. Third year: Zoölogy and structural botany; Fourth year: Anat., physiology.	Same as in A. B. course.	First year: Polit. econ. Second year: <i>ancient, mediæval, and modern hist.</i> Third year: <i>Polit. econ.</i>		
	Second year: Geology and mineralogy.	Third year: Polit. econ.	First year: Draw., field work. Second year: Railroad sur., leveling, road-making, earth work, foundations and masonry, draw. Third year: Railroad location, mine sur. Fourth year: Bridging, tunneling, mine eng., hydraulic, geodetic and sanitary eng.	
Gen. zoölogy (Orton, Huxley and Martin), invertebrate zoölogy (Claus-Sedgwick), vertebrate anat. (Weidersheim), histology, physiology (Martin), embryology (Foster and Balfour), bacteriology, morphology of flowering plants (Gray), gen. morphology, applied botany, pharmaceutical botany, economic entomology.	Blowpipe anal. (Brush), crystallography, gen. and descrip. mineralogy, determinative mineralogy (Brush), optical and microscopic mineralogy (Rosenbusch-Iddings), microscopic petrography, gen. geology (Geikie), applied geology.	Elementary law (Robinson), Eng. constit. law, Amer. constit. law (Cooley), int. law, Rom. law (Morey), polit. econ. (Walker), dynastic and territorial hist., gen. hist. of the U. S., Eng. hist., Revolutionary epochs, hist. of the 19th cent., constit. and polit. hist. of the U. S., hist. of ancient and modern institutions, archaeology, hist. of society, Eng. economic hist., hist. of the Northwest.	Military science and tactics, music, stereotomy (Warren), graphic statics, mech. of materials, theory of structures, mech. of machinery, topographical eng., sanitary eng., hydraulic eng., el. of machines, building construction, mine eng., steam engine, hydraulic motors, drafting, pract. mechanics, manual training, ore concentration, animal husbandry, farm management, vet. science, horticulture.	101



# CHAPTER XXIX.

## MANUAL TRAINING.

The very full consideration given the statistics of manual training in our last report leaves no occasion, after so short an interval, to do more than present the statistics that the Bureau has since been able to obtain.

It would be unreasonable to expect that the Bureau's list of systems having introduced manual training is exhaustive, for the system introducing manual training is under no obligation to spontaneously and immediately report the fact to the Bureau, nor, in many cases, does the Bureau know the fact until long afterwards through the medium of a printed city school report or a periodical. Equally unjust would it be to manual training, therefore, to claim that our figures show its condition, statistically speaking, with the greatest possible completeness.

In conclusion it is to be said that very frequently information arrives that such and such a system has introduced manual training. A blank form is sent to that system on the strength of this. But it is returned with a note to the effect that the manual training the system has is calisthenics, or drawing merely, etc., from which it may be inferred that the connotation of the term manual training is not everywhere the same.

TABLE 1.—*Instructors and pupils in manual training schools for 1888-89.*

Location.	Name.	Instructors.				Pupils.				
		Literary department.		Drawing.	Manual training.	Enrolled.		In literary department.	In drawing.	In manual training.
		Male.	Female.			Male.	Female.			
1	2	3	4	5	6	7	8	9	10	11
Denver, Colo. ....	Haish Manual Training School*	5	2	1	1	24	1	25	25	25
Chicago, Ill. ....	Chicago Manual Training School.	5	0	2	4	229	0	229	229	229
Do. ....	Manual Training Department, Chicago High School.	a20	a36	a6	3	76	0	.....	.....	76
New Orleans, La. ...	Manual Training Department, Tulane University.	26	0	2	5	294	0	294	260	260
Baltimore, Md. ....	Baltimore Manual Training School.	7	0	2	6	608	0	690	690	690
McDonogh, Md. ....	McDonogh Institute .....	6	0	2	2	100	0	100	100	100
Minneapolis, Minn. .	School of Practical Mechanics and Design.*	.....	.....	2	3	82	31	.....	113	78
St. Louis, Mo. ....	Manual Training School of Washington University.	5	1	2	4	241	0	241	241	241
Omaha, Nebr. ....	Manual Training Department of the High School.	a6	a11	.....	1	67	2	.....	.....	69
Brooklyn, N. Y. ....	Technical High School Department of Pratt Institute.	2	3	4	7	40	3	43	43	43
New York, N. Y. ...	Hebrew Technical Institute...	2	0	2	4	140	0	140	140	140
Do. ....	Manual Training Department of the College of the City of New York.	.....	.....	a5	2	230	0	230	.....	230
Cincinnati, Ohio ...	The Technical School of Cincinnati.	3	1	2	2	81	4	84	85	84
Cleveland, Ohio....	The Cleveland Manual Training School.*	.....	.....	2	4	140	0	.....	140	140
Toledo, Ohio. ....	Manual Training School.....	a5	a12	3	6	123	161	.....	214	284
Philadelphia, Pa. ...	Manual Training Department of Girard College.	.....	.....	1	5	500	.....	.....	.....	.....
Do. ....	Philadelphia Manual Training School.*	13	0	2	4	325	0	325	325	325
Crozet, Va. ....	The Miller Manual Labor School of Albemarle.	8	8	2	9	176	77	253	26	150
Total .....	.....	.....	.....	42	72	3,476	279	.....	.....	3,164

\* For 1887-88.

a For the High School.

TABLE 2.—Showing branches of study pursued and the pupils pursuing each branch in city systems of schools having manual training.

System of public schools of—	Total number of students, including those in drawing.	Branches.	Number of instructors.	Number of pupils.	Number of classes.	Number of pupils in a class.
1	2	3	4	5	6	7
Oskaloosa, Iowa .....		Drawing, sewing, cooking.	Vary from 8, 10, 12 to 20.	The average is about 60 to 70.	As many in each subject as there are teachers.	4-10
Hyde Park, Mass ..	450	Mechanical drawing. ....	1	40	3	13
		Carpentry .....	1	50	3	18
Springfield, Mass ..	139	Sewing .....	2	400	.....	.....
		Drawing, joinery, wood turning, wood carving.	2	139	12	12
Waltham Mass .....	2, 000	Carpentry .....	1	84	7	12
		Drawing .....	1	All grades.	.....	.....
		Sewing .....	1	do	.....	.....
Winchester, Mass ..	300	Drawing .....	1	800	20	20
		Carpentry .....	1	40	2	20
		Sewing .....	1	300	12	All in grades IV and V.
Muskegon, Mich....	100	Cooking .....	1	40	2	15
Minneapolis, Minn..	207	Printing .....	1	100	2	50
		Industrial drawing .....	4	207	9	32
		General woodworking ..	4	207	9	23
		Wood carving, wood turning, wood polishing.	1	17	1	17
Stillwater High School, Minn.	6	Woodwork .....	1	6	1	6
Concord, N. H. ....	108	Carpentry .....	1	90	5	18
Elizabeth, N. J. ....	945	Drawing and designing ..	2	.....	41	17-65
		Paper cutting and making.	2	400	10	a40
		Clay modeling .....	1	280	5	50-60
		Carpentry .....	1	125	8	12-20
		Sewing .....	1	140	8	14-25
Montclair, N. J. ....	370	Development of geometric forms.	1	90	4	22
		Clay modeling .....	1	90	4	22
		Carpentry .....	1	40	2	20
		Wood carving .....	1	35	2	17
		Sewing .....	Class teachers.	80	4	20
Orange, N. J. ....	1, 503	Cooking .....	1	35	2	17
		Paper work .....	2	1, 060	31	a35
		Clay work .....	2	1, 075	32	a35
		Carpentry .....	1	93	4	a23
		Sewing .....	1	350	16	22
Paterson, N. J. ....	9, 000	Cooking .....	1	16	1	16
		Drawing .....	1 special and 200 class teachers.	9, 000	200	b45
		Wood and metal working.	1	400	14	b28
		Sewing .....	30 class teachers.	600	30	b20
Vineland, N. J. ....	950	Drawing (freehand, mechanical, and industrial).	19	950	.....	.....
		Clay modeling .....	10	500	.....	.....
		Lessons in use of tools...	1	46	2	20
		Sewing .....	19	All girls over 8.	.....	.....
Albany (High School), N. Y.	600	Industrial drawing .....	1	600	8	75
		Carpentry .....	1	250	10	25

a Average.

b About.

TABLE 2.—*Showing branches of study pursued and the pupils pursuing each branch in city systems of schools having manual training—Continued.*

System of public schools of—	Total number of students, including those in drawing.	Branches.	Number of instructors.	Number of pupils.	Number of classes.	Number of pupils in a class.
1	2	3	4	5	6	7
Jamestown, N. Y..	2, 237	Drawing, primary kindergarten, and other work.	18	1, 046	36	a 17
		Drawing, advanced kindergarten, sewing, and other work.	14	684	28	a 21
		Mechanical drawing, the use of tools, carpentry, and joinery.	2	241	28	6
		Sewing, mending, darning, etc., and cooking.	2	271	12	8
Lansingburgh, N. Y.	700	Printing .....	1	15	3	5
		Drawing .....	1 special and 36 class teachers.	1, 300	36	20-50
		Clay modeling .....	1 special and 16 class teachers.	700	16	35-50
		Stick laying .....				
Mt. Vernon, N. Y..	480	Working in wood .....	4	200	4	50
		Industrial drawing .....	1	480	12	40
		Use of wood-working tools.	1	30	5	6
Newburgh, N. Y...	2, 400	Drawing .....	69	2, 400	69	30-50
		Carpentry .....	1	130	8	16
		Sewing .....	1	450	26	15-20
New York, N. Y...	12, 806	Drawing .....	29 special and the class teachers.	12, 806	266	.....
		Paper folding and cutting.	Class teachers.	10, 192	191	.....
		Clay modeling .....	do .....	12, 388	253	.....
		Shop-work .....	4	1, 097	42	.....
		Sewing .....	5	4, 056	98	.....
		Cooking .....	2	597	13	.....
Olean, N. Y .....	25	Carpentry .....	1	25	3	8
Tideoute, Pa .....	90	Mechanical drawing .....	1	30	4	4-10
		Carpentry .....	1	35	3	10-15
		Wood turning .....	1	10	2	4-6
		Iron forging .....	1	3	1	.....
		Sewing .....	1	60	6	10-20
West Chester, Pa..	75	Woodwork .....	1	60	4	12-18
Wilkes Barre, Pa ..	65	Joinery .....	1	65	3	24
		Sewing .....	10	260	10	.....
Knoxville, Tenn., (Slater Training School).	223	Carpentry .....	1	62	12	6-12
		Printing .....	1	62	12	6-12
		Sewing .....	1	161	8	20-25
		Cooking .....	1	86	8	15-20
		Housekeeping .....	1	75	8	25-30
Appleton, Wis., (High School).	24	Industrial drawing .....	1	18	2	8 and 10
		Shop work .....	1	24	2	8 and 16
La Crosse, Wis ....	4, 500	Drawing, clay modeling, stick laying, paper cutting and folding, paste-board, leather, and wood work.	81	4, 500	81	53
Eau Claire, Wis....	75	Mechanical drawing .....	1	56	4	15
		Carpentry .....	1	45	3	15
		Iron forging .....	1	10	1	10
		Wood carving .....	1	8	1	8

a Average.



TABLE 3.—Showing grades in which manual training is given and time devoted to it in city systems.

System of public schools of—	Branches.	Grades.	Lessons a week.	Length of each lesson.
1	2	3	4	5
Oskaloosa, Iowa.....	Sewing .....	Primary and Grammar.....	1	3 hours.
	Cooking .....	do .....	1	Do.
Hyde Park, Mass.....	Carpentry .....	Upper grammar .....	2	2 hours.
	Sewing .....	Lower grammar .....	a 1, b 2	1½ hours.
Springfield, Mass.....	Drawing .....	Senior grammar .....	1	Do.
	Joinery .....	High school .....	2	Do.
	Wood turning .....	do .....	5	Do.
Waltham, Mass .....	Drawing.....	First to twelfth, inclusive.	c1-12	1 hour.
	Carpentry .....	Seventh to ninth, inclusive.	1	1½ hours.
	Sewing .....	Third to ninth, inclusive.	c 1	1 hour.
Albany (High School), N. Y.	Industrial drawing .....	All .....	5-3	15 to 30 minutes.
	Carpentry .....	do .....	2	40 minutes.
Winchester, Mass.....	do .....	Tenth to twelfth .....	d 2.	1 hour.
	Cooking .....	Eighth to thirteenth .....	2	45 minutes.
	Sewing .....	Fourth to sixth .....	2-5	20 minutes.
Muskegon, Mich .....	Printing .....	Seventh and eighth .....	5	40 minutes.
Minneapolis, Minn .....	Industrial drawing .....	First two years .....	5	80 minutes.
	General woodworking .....	First year and half of high school.	5	Do.
	Wood carving, turning, polishing.	Second and third years.	5	Do.
Stillwater (High School), Minn.	Woodwork .....	High school .....	4	1 hour.
Concord, N. H.....	Carpentry .....	Grammar.....	1	2 hours.
Elizabeth, N. J.....	Drawing and designing..	All grades.....	1	30 to 40 minutes.
	Clay modeling .....	Second primary .....	1	35 minutes.
	Paper cutting and making.	First primary and fourth grammar.	e 1	40 minutes.
	Carpentry .....	Second and third grammar.	1	50 minutes.
	Sewing .....	do .....	1	55 minutes.
Montclair, N. J .....	Development of geometric forms.	Sixth .....	2	1 hour.
	Clay modeling.....	Sixth .....	2	Do.
	Carpentry .....	Seventh .....	2	Do.
	Wood carving .....	Eighth .....	2	Do.
	Sewing .....	Sixth and seventh .....	2	Do.
	Cooking .....	Eighth .....	2	Do.
Orange, N. J .....	Paper work.....	Primary D, C, B, A, grammar E, D.	2	45 minutes.
	Clay work.....	As above and a part of high school.	f 1	Do.
	Carpentry .....	High-school grammar A, B, C.	g 2, h 1	45 minutes to 1 hour.
	Sewing .....	Primary A, D, grammar A, B, C, D, E, and high school.	1	45 minutes.
	Cooking .....	High school .....	2	1½ hours.
Paterson, N. J .....	Drawing .....	All .....	1	35 minutes.
	Woodworking .....	Grammar .....	1	1½ hours.
	Sewing .....	do .....	1	Do.
Vineland, N. J .....	Drawing .....	All .....	3	45 minutes.
	Clay modeling.....	First to fourth .....	1	1 hour.
	Lessons in use of tools.	Eighth to tenth .....	1	Do.
	Sewing .....	All .....	1 or 2	Do.
Albany, N. Y .....	Drawing.....	do .....	5-3	15 to 30 minutes.
	Carpentry .....	High school.....	2	40 minutes.
Jamestown City, N. Y.	Drawing, primary kindergarten, and other work.	First to third years.....	3	20 minutes.
	Drawing, advanced kindergarten, sewing, and other work.	Fourth to sixth years...	3	25 minutes.
	The use of tools, carpentry and joinery, mechanical drawing.	Seventh to tenth years..	2	50 minutes.
	Sewing, mending, etc., and cooking.	do .....	2	Do.
	Printing.....	Seventh to twelfth years.	4	Do.

a In term time. b In vacation. c Every two weeks. d Out of school [time?]. e For 4 months. f Alternating with paper work. g High school. h Grammar. i Average.

TABLE 3.—*Showing grades in which manual training is given and time devoted to it in city systems—Continued.*

System of public schools of—	Branches.	Grades.	Lessons a week.	Length of each lesson.
1	2	3	4	5
Lansingburgh, N. Y...	Drawing.....	All.....	3	30 minutes.
	Clay modeling.....	Primary.....	3	15 to 30 minutes.
	Stick laying.....	...do.....	3	10 to 20 minutes.
Mt. Vernon, N. Y.....	Working in wood.....	Fourth primary.....	(a)	30 minutes.
	Drawing.....	Begins when children begin fractions.	2	30 minutes.
	Carpentry.....	3 highest grades.....	2	1 hour.
New York, N. Y.....	Drawing.....	All.....	(b)	Not less than 2 hours a week.
			(c)	Not less than 1½ hours per week.
	Paper folding and cutting..	9 lower grades.....	} (d)	(e).
	Clay modeling.....	13 lower grades.....		
	Shop work.....	5 upper grades.....		f
	Sewing.....	Fourth to eleventh.....		
	Cooking.....	Second and third.....		
Newburgh, N. Y.....	Drawing.....	All.....	1-3	40 minutes to 1 hour.
	Carpentry.....	Seventh to tenth years.	1	2 hours.
	Sewing.....	Second to fourth years..	1	1 hour.
Olean, N. Y.....	Carpentry.....	Middle and upper.....	g3	45 minutes.
Tidioute, Pa.....	Mechanical drawing.....	Grammar and high school.	2	1 hour.
	Carpentry.....	Grammar.....	3	Do.
	Wood turning.....	High school.....	3	Do.
	Iron forging.....	...do.....	3	Do.
	Sewing.....	Intermediate grammar	2	Do.
West Chester, Pa.....	Woodwork.....	Grammar and high school.	(h)	1½ hours.
Wilkes Barre, Pa.....	Joinery.....	Seventh to tenth years..	{ i1 j2	2 hours. 1 hour.
	Sewing.....	Fifth to eighth years..	1	{ 1 hour during fifth and sixth year. 2 hours during seventh and eighth years.
Knoxville, Tenn. (Slater Training School).	Printing, sewing, cooking, carpentry.	Second.....	4	2 hours.
	Printing, cooking, carpentry.	Third.....	1	
	Cooking, carpentry, printing.	Fourth.....	1	
Appleton, Wis. (High School).	Industrial drawing.....	B and C.....	2	45 minutes.
La Crosse, Wis.....	Shop work.....	B, C, and D.....	6	1 hour.
	Drawing, clay modeling, stick laying, paper cutting and folding, pasteboard, leather, and wood work.	All.....	2	81
Eau Claire, Wis.....	Mechanical drawing.....	Sixth grade to second year high school.	2	1½ hour.
	Carpentry.....	Sixth grade to high school.	2	Do.
	Iron forging.....	High school.....	2	Do.
	Wood carving (girls).....	...do.....	3	1 hour.

a Irregular.

b 8 upper grades.

c 6 lower grades.

d Included in the time for drawing.

e Not less than 2 hours a week.

f Not less than 1 hour a week.

g Average.

h 2 lessons one week, 3 the next.

i During seventh and eighth years.

j During ninth and tenth years.

TABLE 4.—*Showing cost of manual training.*

System of public schools of—	Salaries.	Material.	New tools and repairs.	Incidentals.
1	2	3	4	5
Oskaloosa, Iowa .....		\$50		
Hyde Park, Mass .....	\$250	25	\$15	\$5
Springfield, Mass .....	2,200	246	1,453	430
Waltham, Mass .....	383	53		
Winchester, Mass .....	800		0	50
Muskegon, Mich .....	0	150	6	15
Minneapolis, Minn .....	4,500	250	20	
Stillwater, Minn .....				
Concord, N. H .....	700			
Elizabeth, N. J .....	1,600	125		
Montclair, N. J .....	693	97	94	12
Orange, N. J .....	1,496	570		470
Paterson, N. J .....	940	440	424	82
Vineland, N. J .....		150		
Albany, N. Y .....	800	80	32	46
Jamestown, N. Y .....	1,000	120	25	31
Lansingburgh, N. Y .....		75		
Mt. Vernon, N. Y .....	250			
New York, N. Y .....	8,139	3,862		
Newburgh, N. Y .....	1,550	185	705	402
Olean, N. Y .....	0	25	5	
Tidionte, Pa .....	900	100	25	25
West Chester, Pa .....	a 60		150	
Wilkes Barre, Pa .....	64	15		
Knoxville, Tenn .....	1,638	115	172	
Eau Claire, Wis .....	765	60	100	25

a Per month.



## CHAPTER XXX.

### COMMERCIAL AND BUSINESS COLLEGES.

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#### GENERAL REMARKS.

Returns have been received from 197 institutions during the past year, and the statistics of 36 institutions have been taken from the Bureau's Report of 1887-88, making a total of 233, an increase of 11 over the previous year. There has been an increase of 86 instructors and 7,183 pupils; 11 schools are reported for the first time.

The number of pupils in the business departments of colleges and secondary schools during the past year has fallen off to a considerable extent, and a corresponding increase in the enrollment of business colleges is shown in the statistical tables.

Twenty-nine per cent. of these institutions did not send any information to this Bureau for the current year. Complete statistics are necessary in order to represent the work done by the colleges. But as it frequently happens that colleges are established without being reported to the Bureau, it is quite probable that there are institutions in the country which are not on the list. If the colleges that do not appear will but send notice of their existence, a blank form will be forwarded.

It appears from a careful reading of the catalogues and returns sent by these institutions that the time required for a course of business training depends upon the natural aptitude of the student and the extent and completeness with which he wishes to qualify himself. From four to six months is the usual time necessary to complete the full business course; stenography, telegraphy, and typewriting require from three to four months each. In some of the colleges a collegiate course of four years has been added. In others special emphasis is laid upon mathematics, in which the student is rigidly examined before graduation.

During the past year the Bureau has received letters from several persons stating that, as the statistics of neighboring colleges had been falsified, they would not send those of their own institutions. This is a very embarrassing subject to discuss; the Bureau has no means of rectifying the statements it receives, and they are necessarily published as they are furnished.

The increase of the business colleges of the country has kept pace with the increase of population and with the growth of the business enterprises during the last ten years. Since 1880 the estimated increase in the number of colleges is 83 per cent.; of instructors, 173 per cent.; and of pupils, 115 per cent.

Improvements have also been made in the courses of study, and in the manner of preparing pupils for the responsible positions they seek to fill after leaving or graduating from the institutions. The most of the colleges give the student practical knowledge of how business is transacted in the large cities in banking, in insurance, in real estate, and in commercial houses. If the student is far enough advanced in mathematics and in the English branches, very little attention is given to text books. In the college building are found the college bank, with its president and board of directors, cashier, and tellers; the jobbing house and the commission house, and the insurance and the real-estate offices. The student before finishing his course is required to act as cashier, paying teller, receiving teller, shipping clerk, salesman, cashier, and bookkeeper. The student buys and sells, makes deposits, draws checks, and sustains the same general relation to the college bank and to the jobbing house that is held by a merchant in the great business world. He is also given instruction in the *modus operandi* of the insurance office, and is taught by the real-estate broker how to estimate the increased value of real estate by the increase of population and by the laws of supply and demand.

As the business of the country has enlarged and expanded, the knowledge of commercial law, of commercial calculations, and of the tariff laws of different nations has become a necessity, and business men are coming to demand a thorough practical education in all these branches before employing young men as their business assistants.

The education of the business man in all that appertains to business life is as essential as the education of the professional man in all that appertains to professional life. His attainments, his powers, and his manhood are laid under contribution, and without a thorough and practical business education he is like a ship at sea without compass or rudder.

When students were taught only the theories of business and were given only an indistinct outline of business forms, and the merchant found them unable to do the work of the office, his conclusions were that business colleges could not, or did not, educate them properly for active business life. These objections have been met in a practical manner by the introduction of practical business departments in the institutions, and by the employment of intelligent teachers that were once active business men having a practical knowledge of business forms.

The apprenticeship system has passed away, and with it the prejudice against, and the ignorance of, a business education in a business college.

*Summary of statistics of commercial and business colleges for 1888-89.*

State.	Number of institutions.	Instructors.			Students.					Number of students in business courses of city, normal, and secondary schools and colleges.
		Male.	Female.	Total.	Male.	Female.	Total.	Day course.	Evening course.	
1	2	3	4	5	6	7	8	9	10	11
<b>North Atlantic Division:</b>										
Maine .....	3	17	5	22	624	177	801	705	96	315
New Hampshire .....	2	6	2	8	107	26	133	133	0	40
Vermont .....	3	6	5	11	165	44	209	181	28	164
Massachusetts .....	17	56	24	80	{ 1,908	{ 754	{ 2,937	{ 2,130	{ 532	{ 607
Rhode Island .....	2	10	2	12	{ 403	{ 129	{ 532	{ 431	{ 101	{ 80
Connecticut .....	5	8	3	11	{ 336	{ 208	{ 544	{ 402	{ 142	{ 269
New York .....	25	141	47	188	{ 7,378	{ 1,653	{ 9,231	{ 7,215	{ 1,996	{ 2,717
New Jersey .....	4	22	7	29	{ 1,021	{ 273	{ 1,294	{ 749	{ 545	{ 738
Pennsylvania .....	19	93	27	120	{ 5,288	{ 1,784	{ 7,072	{ 1,753	{ 5,319	{ 615
<b>Total .....</b>	<b>80</b>	<b>359</b>	<b>122</b>	<b>481</b>	{ 17,230	{ 5,048	{ 22,753	{ 13,699	{ 8,759	{ 5,545
<b>South Atlantic Division:</b>										
Delaware .....	1	4	2	6	163	44	207	117	90	398
Maryland .....	1	8	0	8	425	110	535	400	135	125
District of Columbia .....	3	12	8	20	459	236	695	415	283	271
Virginia .....	2	4	0	4	66	6	72	60	12	292
West Virginia .....	1	4	2	6	306	56	362	237	125	286
North Carolina .....										94
South Carolina .....										815
Georgia .....	3	10	0	10	470	11	481	442	39	124
Florida .....										
<b>Total .....</b>	<b>11</b>	<b>42</b>	<b>12</b>	<b>54</b>	<b>1,889</b>	<b>463</b>	<b>2,352</b>	<b>1,671</b>	<b>681</b>	<b>2,403</b>
<b>South Central Division:</b>										
Kentucky .....	3	15	3	18	927	249	1,176	979	197	374
Tennessee .....	8	26	3	29	1,294	329	1,623	1,377	246	109
Alabama .....	1	2	0	2	40	4	44	44		250
Mississippi .....	4	17	3	20	{ 203	{ 62	{ 339	{ 220	{ 44	{ 343
Louisiana .....	5	14	5	19	{ 600	{ 371	{ 971	{ 954	{ 17	{ 217
Texas .....	3	14	2	16	{ 843	{ 68	{ 911	{ 798	{ 113	{ 70
Arkansas .....	1	5	1	6	{ 438		{ 438	{ 438		
<b>Total .....</b>	<b>25</b>	<b>93</b>	<b>17</b>	<b>110</b>	{ 3,906	{ 1,083	{ 5,502	{ 4,372	{ 617	{ 2,204

## Summary of statistics of commercial and business colleges for 1888-89—Continued.

State.	Number of institutions.	Instructors.			Students.					Number of students in business courses of city, normal, and secondary schools and colleges.
		Male.	Female.	Total.	Male.	Female.	Total.	Day course.	Evening course.	
1	2	3	4	5	6	7	8	9	10	11
<b>North Central Division:</b>										
Ohio .....	18	63	21	84	{ 3,402 <sup>(200)</sup>	914	{ 4,516	4,118	398	711
Indiana .....	11	50	16	66	{ 2,718 <sup>(200)</sup>	1,207	{ 4,125	{ 3,626 <sup>(200)</sup>	299	238
Illinois .....	13	64	21	85	{ 4,541 <sup>(68)</sup>	987	{ 5,528	{ 4,519	1,009	777
Michigan .....	13	46	14	60	{ 1,569 <sup>(354)</sup>	527	{ 2,164	{ 1,852 <sup>(354)</sup>	312	278
Wisconsin .....	6	25	10	35	{ 870 <sup>(350)</sup>	265	{ 1,489	{ 926 <sup>(350)</sup>	209	289
Minnesota .....	3	8	3	11	{ 355 <sup>(350)</sup>	51	{ 756	{ 323 <sup>(350)</sup>	83	180
Iowa .....	19	72	28	100	{ 3,870	1,405	{ 5,275	{ 4,575	700	1,190
Missouri .....	12	66	12	78	{ 2,785	873	{ 3,658	{ 2,944	714	760
Dakota .....	2	5	2	7	{ 85	43	{ 128	{ 119	9	193
Nebraska .....	4	24	5	29	{ 1,373	306	{ 1,679	{ 1,580	99	236
Kansas .....	7	34	10	44	{ 1,891	704	{ 2,595	{ 2,218	377	1,035
Total .....	108	457	142	599	{ 23,459 <sup>(1,172)</sup>	7,282	{ 31,913	{ 26,809 <sup>(904)</sup>	4,209	5,887
<b>Western Division:</b>										
Colorado .....	2	5	3	8	{ 121	44	{ 165	{ 108	57	173
New Mexico .....	—	—	—	—	—	—	—	—	—	63
Utah .....	—	—	—	—	—	—	—	—	—	99
Nevada .....	—	—	—	—	—	—	—	—	—	57
Washington .....	1	4	0	4	{ 78	13	{ 91	{ 71	20	281
Oregon .....	1	5	2	7	{ 200 <sup>(540)</sup>	160	{ 360	{ 360 <sup>(360)</sup>	—	77
California .....	5	30	12	42	{ 827	355	{ 1,722	{ 1,579	143	339
Total .....	9	44	17	61	{ 1,226 <sup>(540)</sup>	572	{ 2,338	{ 1,758 <sup>(360)</sup>	220	1,089
<b>SUMMARY.</b>										
North Atlantic Division .....	80	359	122	481	{ 17,230 <sup>(475)</sup>	5,048	{ 22,753	{ 13,699 <sup>(295)</sup>	8,750	5,545
South Atlantic Division .....	11	42	12	54	{ 1,889	463	{ 2,352	{ 1,671	681	2,403
South Central Division .....	25	93	17	110	{ 3,906 <sup>(513)</sup>	1,083	{ 5,502	{ 4,372 <sup>(513)</sup>	617	2,204
North Central Division .....	108	457	142	599	{ 23,459 <sup>(1,172)</sup>	7,282	{ 31,913	{ 26,809 <sup>(904)</sup>	4,209	5,887
Western Division .....	9	44	17	61	{ 1,226 <sup>(540)</sup>	572	{ 2,338	{ 1,758 <sup>(360)</sup>	220	1,089
Total for 1888-89 .....	233	995	310	1,305	{ 47,710 <sup>(2,700)</sup>	14,448	{ 64,858	{ 48,300 <sup>(2,072)</sup>	14,486	17,128
Total for 1887-88 .....	222	962	257	1,219	{ 42,714 <sup>(2,305)</sup>	12,656	{ 57,675	{ 41,920 <sup>(5,537)</sup>	10,218	19,683
Increase or decrease .....	*11	*33	*53	*86	—	—	*7,183	—	—	†2,555

\* Increase.

† Decrease.



Statistics of commercial and business colleges for 1888-89.

Post-office address.	Name.	Year of first opening.	Principal.	Number of months in full course of study.		Weeks of scholastic year.		Tuition.		Instruct-ors.		Students.		
				Day course.	Evening course.	Day course.	Evening course.	Day course.	Evening course.	Male.	Female.	Male.	Female.	Evening course.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1 Birmingham, Ala.	Massey's Business College.	1889	R. W. Massey	3	4-5			\$25-75	a\$40-10	2		40	4	44
2 Little Rock, Ark.	Little Rock Commercial College	1874	M. A. Stone	6	18	52	30	50	50	5	1	(438)	39	(438)
3 Auburn, Cal.	Sierra Normal College and Business Institute.	1883	M. W. Ward	10		40		60		2	2	41		80
4 Los Angeles, Cal.	Woodbury's Business College	1884	R. C. Woodbury	9	24	50		100		5	3	327	128	455
5 Sacramento, Cal.	Sacramento Business College*	1873	E. C. Atkinson			52	52	75	75	5	3	276	51	359
6 San Francisco, Cal.	Commercial School*	1884	Isador Lezysky	10						5	2	183	137	320
7	Pacific Business College.	1883	T. A. Robinson, M. A.	64	15	52	52			13	2	(540)		465
8 Denver, Colo.	Denver Business College	1882	John G. Pilsen	8	16			a10	a5	2	1	59	9	52
9 Pueblo, Colo.	Pueblo Business College	1887	H. C. Warden			52	52	a10	a5	3	2	62	35	56
10 Bridgeport, Conn.	Martin's Shorthand School*	1887	W. J. Martin	4-7	8-12	52	52	a10	a5	1	1	50	35	38
11 Hartford, Conn.	Hannum's Business College	1877	T. W. Hannum			46	24	45	18	3	1	143	37	151
12	Huntsinger's Business College	1888	E. M. Huntsinger	8		46	24	103	24	3		69	12	81
13	Porter's Select School of Shorthand and Typewriting.*	1887	Mabel W. Porter	6	12	52	52	120	60		1	14	34	32
14 New Haven, Conn.	Gaffey's Shorthand School*	1884	John F. Gaffey	6	12			72	60	1	0	60	90	100
15 Fargo, N. Dak.	Fargo College	1887	Rev. G. R. Barnes, A. M.			36		30		4	1	28	26	54
16 Sioux Falls, S. Dak.	Sioux Falls Business College	1887	J. L. Wallace			52	16	50	25	1	1	57	17	65
17 Wilmington, Del.	Goidey's Wilmington Com. College.	1886	H. S. Goidey	8-9		44	26	80	20	4	2	163	44	117
18 Washington, D. C.	Washington High School	1882	R. R. Lane	20		40				1	1	123		125
19	Martin's Commercial College	1886	Webster Edgerly					50		6	1		25	46
20	Spencerian Business College	1864	Henry C. Spencer	10	10	40	40	70	60	5	6	261	211	228
21 Atlanta, Ga.	Moore's Business University	1888	Benjamin F. Moore	4	6	50	24	75	50	2		134	6	140
22 Augusta, Ga.	S. L. Osborne	1882	S. L. Osborne	4	6	40	40	50	50	3		136	5	162
23 St. Patrick's Commercial College	St. Patrick's Commercial College	1875	Bro. Francis	10		40		60		5		200		200
24 Evergreen City Business College	Evergreen City Business College	1875	C. E. Baker	9		36				1	1	3	140	55
25 Chicago, Ill.	Kimball's Shorthand and Typewriting School.	1884	D. Kimball	4	6	52	52	40	60	2		25	46	52
26	Metropolitan Business College*	1873	O. M. Powers	12	7	52	30	100	29	10	2	1,701	200	1,648

a Per month.

\* Statistics of 1887-88.

Statistics of commercial and business colleges for 1888-89—Continued.

Post-office address.	Name.	Year of first opening.	Principal.	Number of months in full course of study.		Weeks in scholastic year.		Tuition.		Instruct-ors.		Students.			
				Day course.	Evening course.	Day course.	Evening course.	Day course.	Evening course.	Male.	Female.	Male.	Female.	Day course.	Evening course.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
27	Chicago, Ill. ....	1871	A. J. Newby .....	8	14	52	30	\$90	\$29	5	2	354	78	223	209
28	Danville, Ill. ....	1869	M. English .....	5	3	52	40	100	60	3	1	95	29	102	22
29	Dixon, Ill. ....	1881	J. B. Dille .....	9	.....	50	.....	40	.....	6	2	229	139	318	.....
30	Freeport, Ill. ....	1888	J. J. Nagle .....	6	.....	42	21	50	25	6	1	95	27	60	62
31	Galesburg, Ill. ....	1866	M. H. Barringer .....	6-12	.....	40	60	60	60	1	2	.....	.....	.....	.....
32	Jacksonville, Ill. ....	1866	George W. Brown .....	9	.....	42	24	75	20	5	3	250	71	287	34
33	Joliet, Ill. ....	1866	Homer Russell .....	20	30	50	50	50	40	5	2	700	200	650	250
34	Quincy, Ill. ....	1870	D. L. Muselman .....	6-10	.....	50	10-12	60	10	9	1	580	40	600	20
35	Rockford, Ill. ....	1865	G. A. Winans and W. H. Johnson .....	6	12	52	26	50	25	6	1	186	107	223	70
36	Springfield, Ill. ....	1864	S. Bogardus .....	.....	.....	.....	.....	50	25	5	1	186	45	161	70
37	Danville, Ind. ....	1876	Charles A. Hargrave .....	33	.....	48	.....	32	.....	11	3	714	322	1,036	.....
38	Evansville, Ind. ....	1850	S. N. Currick .....	5-6	12	50	26	50	30	3	2	130	45	155	20
39	Fort Wayne, Ind. ....	1885	McDermot & White-leather .....	10	.....	48	39	40	25	4	2	100	50	176	64
40	Hope, Ind. ....	1883	Jas. H. Clark .....	5	.....	47	.....	32	.....	3	3	126	83	209	.....
41	Indianapolis, Ind. ....	1850	Redman, Hoel & Os-born .....	6	.....	50	26	75	25	4	2	290	150	375	65
42	La Fayette, Ind. ....	1880	G. M. Robinson .....	9	18	40	24	45	18	3	1	(200)	45	172	(200)
43	Louisport, Ind. ....	1867	E. A. Hall .....	6	12	40	24	40	20	3	.....	162	23	33	35
44	Millersburgh, Ind. ....	1883	G. M. Impeel .....	5	8	20	20	25	20	2	.....	51	22	33	40
45	Richmond, Ind. ....	1860	O. E. Fulghum .....	6	12	48	32	40	40	4	1	180	70	175	75
46	Terre Haute, Ind. ....	1862	W. C. Isbell .....	.....	.....	.....	.....	.....	.....	4	2	200	100	300	.....
47	Valparaiso, Ind. ....	1873	H. B. Brown .....	9	.....	50	.....	40	.....	9	.....	675	320	995	.....
48	Bloomfield, Iowa. ....	1878	R. S. Galer .....	.....	.....	40	.....	32	.....	2	2	75	85	160	.....
49	Burlington, Iowa. ....	1879	G. W. Elliott .....	9	36	52	.....	70	20	9	3	650	150	650	150
50	Cedar Rapids, Iowa. ....	1869	Samuel H. Goodyear .....	8	.....	52	26	75	36	4	2	255	70	285	40
51	Clinton, Iowa. ....	1886	O. P. Judd .....	8	.....	42	18	45	10	4	2	169	79	185	63

1	Council Bluffs, Iowa	Western Iowa College	1884	4-12	8-18	48	24	50	20	3	1	280	90	290	80
2	Davenport, Iowa	Davenport Business College*	1804	8	.....	52	.....	45	.....	6	2	467	77	544	.....
3	do	Iowa Commercial College	1804	6	12	52	26	30	15	7	2	*324	*163	*442	*45
4	Decorah, Iowa	Decorah Business College	1874	6	.....	52	.....	30	.....	2	.....	45	5	50	.....
5	Des Moines, Iowa	Capital City Commercial College	1884	6-10	.....	48	24	60	20	4	3	181	144	325	.....
6	do	Iowa Business College	1868	6	.....	26	18	60	18	4	1	311	80	364	27
7	do	Bayless Business College	1868	6	12	52	24	75	25	5	1	270	90	285	75
8	Dubuque, Iowa	Mathematical School	1873	.....	.....	48	48	60	36	1	.....	37	18	19	.....
9	Iowa City, Iowa	Iowa City Commercial College	1865	5-8	.....	52	26	50	25	4	3	200	90	290	46
10	Keokuk, Iowa	Gate City Business College	1857	6	18	50	24	50	16	3	1	123	30	107	40
11	Marshalltown, Iowa	Marshalltown Business College	1886	6	9	51	51	.....	.....	2	1	70	45	90	25
12	Muscatine, Iowa	Muscatine Commercial College	1896	7-20	.....	52	.....	50	.....	3	1	48	14	62	.....
13	Oskaloosa, Iowa	Oskaloosa Business College	1866	7	.....	50	.....	75	.....	3	1	103	69	172	.....
14	Ottumwa, Iowa	Ottumwa Business College	1865	6	6	50	50	.....	.....	2	.....	126	43	107	62
15	St. Louis, Mo.	Northwestern Business College	1883	6	10	44	25	75	18	3	2	136	81	149	68
16	Atchison, Kans.	Atchison Business College	1885	6	6	40	24	40	25	4	1	129	56	122	63
17	Emporia, Kans.	Emporia Business College	1881	5	6	40	26	40	20	5	3	360	100	385	75
18	Lawrence, Kans.	Lawrence Business College	1869	12	.....	52	.....	50	.....	8	2	290	133	423	.....
19	Leavenworth, Kans.	Central Business College	1887	8	.....	50	36	50	27	3	.....	80	20	71	29
20	do	Pond's Business College	1867	6	12	50	24	50	25	2	1	255	70	250	75
21	Topoka, Kans.	Topoka Business College and Shortland Institute*	1884	7½	12-18	50	25	75	36-54	2	2	166	81	164	83
22	Wichita, Kans.	Southwestern Business College	1885	7	6	50	24	85	25	10	1	611	244	803	52
23	Louisville, Ky.	Bryant & Stratton College	1874	6	12	50	26	110	25	8	1	567	174	609	132
24	do	Southern Business College	1878	3-5	6-10	51	35	50	50	3	.....	253	13	201	63
25	Madisonville, Ky.	National Institute*	1886	4	0	52	0	39	.....	4	2	107	62	169	0
26	(401 Bayou Road), New Orleans, La.	Babad's Academy*	1862	11	.....	45	.....	60	.....	1	1	15	0	15	0
27	do	Boston's Business College	1867	8	16	52	52	.....	.....	.....	.....	28	3	27	4
28	do	J. W. Blackman's Com. College	1862	3-6	6-12	52	52	120	96	2	.....	25	2	14	13
29	do	Sonlé Com. Col. and Lit. Inst.	1866	6-18	12-24	52	40	a25-50	a25-35	10	1	282	66	348	.....
30	do	St. John the Baptist	1854	80	.....	40	.....	20	.....	1	3	250	300	550	.....
31	Angusta, Mo.	Dirigo Business College	1863	80	.....	40	12	35	3	9	1	225	89	271	43
32	Portland, Me.	Portland Business College	1863	6-8	.....	48	.....	60	18	5	2	279	51	277	53
33	Rockland, Me.	Rockland Commercial College	1879	3-9	.....	42	26	20	.....	3	2	120	37	157	.....
34	Baltimore, Md.	Baton & Burnell's Business College	1878	12	18-24	50	25	100	25	8	.....	425	110	400	135
35	Boston, Mass.	Bryant & Stratton Commercial School*	1860	10	0	40	0	160	0	21	0	600	185	785	0
36	Washington St., Boston, Mass.	Coner's Commercial College	1840	6-9	12-24	44	26	150	25	8	5	358	146	379	125
37	Washington St., Boston, Mass.	French's Business College	1848	6	.....	48	.....	140	.....	.....	.....	91	21	115	.....
38	do	Hickox's Shorthand School	1865	.....	.....	40	.....	20	.....	2	.....	.....	.....	.....	.....
39	do	Reckers & Bradford's Com. College	1876	6-20	9-18	44	26	140	25	2	1	87	27	71	43
40	do	Sawyer's Commercial College	1868	.....	.....	46	.....	120	.....	2	1	63	28	91	0
41	do	Holmes's Bryant & Stratton Commercial College	1869	9	18	46	36	75	50	2	2	45	17	35	27
42	Fall River, Mass.	Freeman H. Holmes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Holyoke, Mass.	Childs's Business College	1883	10	20	43	34	90	40	2	2	93	30	53	70

\* Statistics of 1887-88.

a Per quarter



## Statistics of commercial and business colleges for 1888-89—Continued.

Post-office address.	Name.	Year of first opening.	Principal.	Number of months in full course of study.		Weeks in scholastic year.		Tuition.		Instruct-ors.		Students.			
				Day course.	Evening course.	Day course.	Evening course.	Day course.	Evening course.	Male.	Female.	Male.	Female.	Day course.	Evening course.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
94 Lawrence, Mass.....	Cannon's Commercial College.....	1880	Gordon C. Cannon.....	4	6	40	40	\$40	\$12	3	2	119	65	65	119
95 Lowell, Mass.....	Lowell Commercial College.....	1859	Albert C. Baisdell and L. E. Kimball.			42	42	α 25 α 3-10		2	4	(275)			(275)
96 Pittsfield, Mass.....	Chickering's Commercial College *.	1861	Benjamin Chickering.	3		42		100		1	1	34	8	42	
97 Springfield, Mass.....	Childs's Business College.....	1884	E. E. Childs.....	8-10	18	43	28	100	50	3	2	119	67	138	48
98 do.....	New England School of Shorthand and Typewriting.	1887	I. E. House.....	6	9	52	52	50	50	1		20	28	24	24
99 Waltham, Mass.....	Commercial Department Waltham High School.	1882		24		40	20				1	62	41	52	51
100 Worcester, Mass.....	Foster's Business College.....	1861	Calvin Cady Foster.....	10	10	40	30	75	50	1	1	37	40	55	22
101 do.....	Hinman's Business College *.	1881	A. H. Hinman.....	9	18	43	26	30	30	5	2	170	40	210	
102 do.....	Worcester Select School of Short-hand and Typewriting.	1887	George C. Creelman..	6-8	12-14	50	50			1		7	11	15	3
103 Battle Creek, Mich.....	Krug's Business College.....	1882	J. B. Krug.....	12		48		45		3	1	80	32	112	
104 Bay City, Mich.....	Devlin's Business College.....	1880	Cyrus H. Devlin.....	8	12	48	32	58	40	3	3	130	40	127	43
105 Big Rapids, Mich.....	Industrial School of Business.....	1884	W. N. Ferris.....	6	10	48	20	50	20	3	1	198	157	325	30
106 Detroit, Mich.....	Commercial Department of Detroit High School *.	1884	F. L. Bliss.....	40		40		24		1	0	(68)		68	
107 do.....	Detroit Business University.....	1850	W. F. Jowell.....	6-12	12-16	52	35	75	32	14		597	127	604	120
108 do.....	St. Joseph's Parochial Commercial School.	1880	Brother Anulwin.....			42		6		4	3				
109 East Saginaw, Mich.....	Parsons's Business College *.	1868	A. C. Parsons.....	12	18	40	40	40	40	2	1	99	19	73	40
110 Grand Rapids, Mich.....	Grand Rapids Business College and Practical Training School.	1866	A. S. Parish.....			51		50	24	3		77	18	95	
111 do.....	J. W. Walton's Commercial College.	1838	J. W. Walton.....	8	14	52	52	50	25	2		38	8	28	13
112 Ionia, Mich.....	Poncher Business College.....	1877	Irvin M. Poucher.....	6		40		40		1		41	9	50	
113 Jackson, Mich.....	Jackson Business College.....		G. M. Devlin.....	9	12	40		40		3	1	74	29	103	
114 Kalamazoo, Mich.....	Parsons's Business College.....	1869	W. F. Parsons.....	9	5	40	20	55	40	2	3	150	40	155	35
115 Lansing, Mich.....	Interlake Business College.....	1867	W. A. Johnson.....	6-10	24	52	26			5	2	85	48	107	26
116 Duluth, Minn.....	Parsons's Business College.....	1885	W. F. Parsons.....	10	10	50	25	100	75	2	1	128	21	115	34
117 Minneapolis, Minn.....	Archibald Business College.....	1877	Rickard and Glnman..	7½	15	52	24	90	24	4	1	(350)			(350)

(256, 258 1st Ave. S.).

		1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	287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## Statistics of commercial and business colleges for 1888-89—Continued.

Post-office address.	Name.	Year of first opening.	Principal.	Number of months in full course of study.		Weeks in scholastic year.		Tuition.		Instruct-ors.		Students.			
				Day course.	Evening course.	Day course.	Evening course.	Day course.	Evening course.	Male.	Female.	Male.	Female.	Day course.	Evening course.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
156 Glens Falls, N. Y. ....	Glens Falls Business College .....	1887	E. O. Sylvester .....	10	5	40	.....	.....	\$21	1	2	34	22	56	.....
157 Ithaca, N. Y. ....	Wyckoff's Photographic Institute .....	1870	Mrs. Mary A. Admitt .....	6-9	.....	52	.....	.....	.....	.....	.....	7	18	25	.....
158 New York (6 E. 47th St.), N. Y. ....	E. D. Lyon's Classical School .....	1881	E. D. Lyon, A. M., Phil.D. ....	94	.....	38	.....	150-300	.....	6	.....	30	.....	30	.....
159 New York, N. Y. ....	Manhattan Business College .....	1864	Rev. Bro. Castoris .....	10	.....	43	.....	40	25	9	.....	212	.....	200	12
160 .....	Packard's Business College and School of Stenography .....	1858	S. S. Packard .....	10-24	.....	44	.....	200	.....	8	3	450	150	600	.....
161 .....	Paine's Business College .....	1849	Rutherford & Howell .....	12	12	52	52	88	88	3	1	282	48	217	113
162 .....	The Paine Uptown Business College .....	1872	H. W. Remington .....	9	12	52	52	40-96	30-70	3	3	357	84	242	199
163 Olean, N. Y. ....	Westbrook Commercial College* .....	1882	E. D. Westbrook .....	6	10	52	26	50	25	4	1	99	46	107	38
164 Peekskill, N. Y. ....	Westchester County Institute .....	1877	Charles Unterrainer .....	10	.....	40	.....	60	.....	2	1	24	18	42	.....
165 Poughkeepsie, N. Y. ....	Eastman National Business College* .....	1859	Clement C. Gaines .....	3-6	6	52	20	100	20	15	1	871	80	885	66
166 Rochester, N. Y. ....	Rochester Business University .....	1863	L. L. Williams and F. E. Rogers .....	.....	.....	40	24	100	30	11	2	416	81	416	71
167 .....	Taylor & Sons' Business College, Writing Institute, and School of Stenography .....	1876	A. J. Taylor .....	3-6	6-12	52	52	100	48	5	2	250	75	125	200
168 Troy, N. Y. ....	Troy Business College .....	1860	Thos. H. Shields .....	6	9	52	26	75	40	6	1	407	75	382	100
169 Utica, N. Y. ....	Utica Business College .....	1862	T. H. Shields, and G. F. Hendrick .....	3	.....	43	24	75	35	4	4	(200)	.....	160	40
170 Akron, Ohio .....	Akron Business College .....	1866	O. S. Warner, M. A. ....	.....	.....	29	20	40	25	1	.....	23	3	15	11
171 Canton, Ohio .....	Canton Business College .....	1875	William Feller .....	5	12	32	32	100	60	3	.....	125	51	132	44
172 Cincinnati, Ohio (N. W. cor. 5th and Walnut sts.) .....	Martin's Queen City Business College* .....	1884	Thomas Martin .....	8	12	52	52	50	50	3	2	90	50	70	70
173 Cincinnati, Ohio .....	Nelson Business College .....	1856	Richard Nelson .....	12	.....	50	.....	75	.....	4	4	245	63	308	.....
174 Cleveland, Ohio .....	Spencerian Business College .....	1848	P. R. Spencer, E. R. Felton, H. T. Loomis .....	6-24	12-48	52	34	40-100	25-30	16	4	1,000	.....	1,000	.....
175 .....	Western Reserve Business College .....	1838	W. L. Shinn .....	8-12	16-24	44	36	50	34	2	1	64	18	52	30



176	Columbus, Ohio.....	Columbus Commercial College.....	1869	Frank Humphreys.....	6	52	24	48	23	4	4	195	150	345	.....
177	do.....	Columbus Business College and Normal School.*	1869	J. M. Brown.....	12	48	.....	.....	.....	6	1	.....	.....	.....	.....
178	Dayton, Ohio.....	Miami Commercial College.....	1869	A. D. Witt.....	.....	.....	.....	.....	.....	.....	.....	(200)	200	.....	.....
179	Delaware, Ohio.....	National Pen Art Hall and Business College.....	1881	G. W. Michael.....	3	52	40	36	6	5	1	371	141	512	.....
180	Hamilton, Ohio.....	Ohio Commercial College.*	1875	W. A. Nichols.....	6	50	32	90	50	3	0	95	21	61	55
181	Mansfield, Ohio.....	Ohio Business College.....	1886	Joseph W. Sharp, M. S., VII, D.	4	51	24	50-100	25	2	1	115	33	148	.....
182	Oberlin, Ohio.....	Oberlin Business College.....	1883	McKee & Henderson.....	.....	50	.....	40	.....	.....	.....	254	33	287	.....
183	Springfield, Ohio.....	Nelson Business College.....	1883	R. J. Nelson.....	6	52	.....	50	.....	2	3	120	120	120	.....
184	do.....	Van Sickle's Practical Business Col- lege.....	1871	John Waddell Van Sickle.....	6	40	25	40	20	1	.....	46	5	28	23
185	Toledo, Ohio.....	Toledo Business College and Short- hand School.....	1868	M. H. Davis.....	8	52	24	60	20	5	.....	440	260	600	100
186	Youngstown, Ohio.....	Youngstown Normal Business College.*	1885	J. C. Stoiner.....	.....	.....	.....	.....	.....	2	1	124	36	120	40
187	Zanesville, Ohio.....	Zanesville Business College.....	1865	G. C. Kennison.....	4	52	20	40	20	1	1	95	50	120	25
188	Portland, Oregon.....	Portland Business College.*	1866	A. P. Armstrong.....	6	52	.....	.....	.....	5	2	260	160	360	.....
189	Albany, N. Y.....	Albany Business College.....	1869	W. L. Blackman.....	5-10	40	26	50	25	3	.....	111	13	98	26
190	Altoona, Pa.....	International Business College.*	1885	Crowley & Ruess.....	4	8-10	52	52	8-33	2	0	125	90	125	50
191	do.....	Mountain City Business College.....	1879	G. G. Zeth, A. M.....	3	4	52	52	60	30	3	418	250	506	142
192	Easton, Pa.....	Easton College of Business.....	1870	Chas. L. Free.....	10	6	.....	50	20	3	.....	90	20	70	40
193	Erie, Pa.....	Clark's Business College.....	1883	H. C. Clark.....	5	8	34	100	35	5	.....	275	25	225	75
194	Harrisburg, Pa.....	Harrisburg Business School.....	1885	J. E. Garner.....	6-10	10-12	40	24	25	1	1	57	25	52	30
195	do.....	Keystone Business College.....	1890	W. D. Mossor.....	7	8	40	32	35	20	2	21	6	10	17
196	Lancaster, Pa.....	Lancaster Business College.....	1880	H. G. Weidter.....	6-10	8	44	32	70	40	2	60	15	61	14
197	Meadville, Pa.....	Bryant, Stratton & Smith Business College.....	1865	A. W. Smith.....	6	12	44	20	20	4	1	230	100	260	70
198	Philadelphia, Pa.....	Palm's Business College.*	1885	T. W. Palms.....	44	52	30	50	24	3	.....	198	9	121	86
199	do.....	Peirce College of Business.....	1865	Thomas May Peirce.....	.....	43	26	120	25	19	2	888	149	637	400
200	Pittsburgh, Pa.....	Commercial Department of Pitts- burgh Central High School.*	1855	C. B. Wood.....	15	40	.....	0	.....	3	3	108	57	225	0
201	do.....	Curry University.....	1860	Jas. Clark Williams.....	6	10	28	65	30	19	12	861	621	1,305	177
202	do.....	Duff's Mercantile College.....	1840	P. Duff & Sons.....	4	6-8	28	50	25	9	.....	660	220	700	189
203	Seranton, Pa.....	Wood's Business College.....	1886	F. E. Wood.....	10	14	36	60	30	4	4	495	111	366	240
204	Union City, Pa.....	Luce's Commercial College.....	1878	N. R. Luce.....	.....	36	.....	.....	.....	1	2	70	24	64	30
205	Wilkes Barre, Pa.....	Wilkes Barre Business College.*	1886	W. J. Solly.....	.....	52	40	50	.....	6	.....	215	43	125	133
206	Williamsport, Pa.....	Williamsport Commercial College.*	.....	F. M. Allen.....	5	8	52	32	.....	3	1	336	20	356	.....
207	York, Pa.....	Batchelder's Business College.....	1886	J. M. Batchelder.....	4-6	52	52	40	20	1	.....	10	6	13	3
208	Providence, R. I.....	Providence Bryant & Stratton Busi- ness College.....	1883	Theodore B. Stowell.....	10	42	20	100	20	7	1	268	85	278	75
209	do.....	Schoolfield's Commercial College.....	1846	Albert G. Schoolfield.....	6	10	43	34	.....	3	1	135	44	153	26
210	Chattanooga, Tenn.....	Behm's Commercial College.....	1875	Jeromian Behm.....	.....	52	52	40	.....	1	.....	53	3	35	21
211	do.....	Knoxville City Business College.....	1866	D. M. Agee.....	9	12	30	72	.....	5	1	155	66	160	61
212	Knoxville, Tenn.....	Knoxville Business College.....	1885	J. T. Johnson.....	6	18	51	30	25	4	1	215	25	200	40
213	Memphis, Tenn.....	Leddin Business College.....	1864	W. T. Watson, LL.B.....	44	52	44	75	45	4	.....	212	62	256	48
214	do.....	Nelson's Business College.....	1887	A. E. Nelson.....	4-6	12-15	52	52	50	3	.....	187	26	152	61
215	Nashville, Tenn.....	Goodman's Business College.*	1885	Frank Goodman.....	6-9	52	.....	60-90	50	3	1	162	26	162	0
216	do.....	Jennings' Business College.....	1884	R. W. Jennings.....	3	4	30	50	40	3	.....	140	5	130	15

Per month.

\* Statistics of 1887-88.

Statistics of commercial and business colleges for 1888-89—Continued.

Post-office address.	Name.	Year of first opening.	Principal.	Number of months in full course of study.		Weeks in scholastic year.		Tuition.		Instruct-ors.		Students.			
				Day course.	Evening course.	Day course.	Evening course.	Day course.	Evening course.	Male.	Female.	Male.	Female.	Day course.	Evening course.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
217 Washington, Tenn...	Christie's Music and Business Col- lege.	1877	H. R. Christie.....	4	.....	36	.....	30	.....	3	.....	140	142	282	.....
218 Dallas, Tex.....	Hill's Business College.....	1888	J. H. Gillespie.....	5	12	52	44	50	65	5	.....	137	18	140	15
219 Fort Worth, Tex.....	Fort Worth Business College.....	1879	F. P. Preuitt.....	10	9	42	38	50	45	3	2	376	32	340	68
220 Waco, Tex.....	Hill's Business College.....	1870	R. H. Hill.....	5	10	52	20	50	50	6	.....	330	18	318	30
221 Burlington, Vt.....	Burlington Business College.....	1878	E. G. Evans.....	4-6	.....	40	20	56	13½	2	2	88	25	85	28
222 Lyndon Centre, Vt.....	Lyndon Commercial College.....	1883	Walter E. Ranger.....	93	.....	39	.....	30	.....	3	2	46	9	55	.....
223 Waterbury, Vt.....	Minard Commercial School.....	1880	J. C. Emerson.....	9	.....	36	.....	25½	.....	1	1	31	10	41	.....
224 Richmond, Va.....	Old Dominion Business College.....	1867	George M. Nicol.....	8	.....	35	.....	50	.....	1	.....	34	34	.....	.....
225 do.....	Smithfield Business College.....	1883	G. M. Smithfield.....	3-4	9-12	52	52	40	40	3	.....	32	6	26	12
226 Walla Walla, Wash.....	Empire Business College.....	1887	Catlon Bros.....	9	27	39	26	60	30	4	.....	78	13	71	20
227 Wheeling, W. Va.....	Wheeling Business College.....	1860	J. M. Frasher.....	6	12	52	52	45	35	4	2	306	56	237	125
228 Green Bay, Wis.....	Green Bay Business College.....	1868	J. N. McDunn.....	8	.....	51	24	50	20	4	1	159	43	177	25
229 La Crosse, Wis.....	La Crosse Business College*.....	1868	J. L. Wallace.....	10	.....	52	16	.....	.....	3	0	153	14	125	42
230 Madison, Wis.....	North-Western Business College.....	1866	R. G. Denning & J. C. Proctor.....	6	12	40-52	25	45	26	5	1	199	86	251	34
231 Milwaukee, Wis.....	Charles Mayer's Commercial Col- lege.	1876	Charles Mayer.....	24	.....	44	36	80	40	6	3	(354)	(354)	(354)	(354)
232 do.....	Spencerian Business College.....	1863	Robert C. Spencer.....	9	.....	42	26	100	35	4	4	279	77	279	77
233 do.....	Winnot Business College.....	1881	H. M. Winnot.....	6	10	51	51	60	45	3	1	80	45	94	31

\* Statistics for 1887-88.

a Per month.

# CHAPTER XXXI.

## NURSES' TRAINING SCHOOLS.

### REMARKS ON THE STATISTICS.

As compared with the Report for 1887-88 the figures for the year under review show an increase of 145 pupils and 103 graduates. The corps of instruction is a difficult thing to define. In some instances the hospital staff has been returned as such, while in other instances the corps has been returned as composed of one or two instructors. Nine institutions report the "amount received from students at private nursing." The amount received from this source was \$21,395.

As to the text-books used there can be no doubt that Clara Weeks's Text-book on Nursing is a favorite, for in sixteen instances it is reported as being in use. In five instances Gray's Anatomy is used. There seems to be no set of text-books generally used in these schools, each school adopting its own combination irrespective of what books have been adopted by other schools. In one case the answer to the question as to the text-books used is, "Optional with the lecturers," and in another case, "Medical and surgical reference books are obtained in library."

As a large city is the condition under which a hospital can flourish, so may it be said that the nurses' training school is conditioned in a great measure on the hospital for its field of instruction. In fact these schools are almost always intimately connected with a hospital. From this it naturally follows that the financial statistics of the nurse-training school can not be given separately from those of the hospital.

TABLE 1.—*Instructors and pupils in training schools for nurses for 1888-89: summary of similar columns in Table 2.*

	Schools.	In-struct-ors.	Pupils.			
			Male.	Female.	Total.	Gradu-ating.
North Atlantic Division:						
Vermont .....	1	5	(21)		21	4
			(12)			
Massachusetts .....	5	62	36	276	324	64
Rhode Island .....	1	1	0	20	20	12
Connecticut .....	1	4	0	25	25	30
			(95)			
New York .....	13	83	40	389	524	173
New Jersey .....	2	14	(30)	8	38	12
Pennsylvania .....	2	4	0	124	124	88
South Atlantic Division:						
District of Columbia .....	1	7	0	20	20	5
North Central Division:						
Indiana .....	1	9	(18)		18	8
Illinois .....	1		(40)		40	18
Michigan .....	2	38	0	21	21	2
Minnesota .....	1	7	0	16	16	4
Missouri .....	1	16	0	25	25	6
Western Division:						
California .....	1	10	0	32	32	5
SUMMARY.						
North Atlantic Division .....	25	173	(158)	842	1,076	383
South Atlantic Division .....	1	7	0	20	20	5
			(58)			
North Central Division .....	6	70	0	62	120	38
Western Division .....	1	10	0	32	32	5
Total .....	33	280	(216)	956	1,248	431
			76			



TABLE 2.—Statistics of training schools for nurses for 1888-89, or therabouts.

Post-office address.	Name.	Year of first opening.	Superintendent.	Number of instructors.		Pupils.		Graduates in the years 1888-89.	Years in full course of study.	Weeks in scholastic year.	Salary paid pupils.
				5	4	Male.	Female.				
1	2	3				6	7	8	9	10	11
1 San Francisco, Cal.....	Hospital for Children and Training School for Nurses.....	1880	Annie E. Dickinson, treasurer.	10		0	32	5	2	52	\$10 per month first year; \$15 per month second year.
2 New Haven, Conn.....	Connecticut Training School for Nurses.....	1874	Elizabeth M. Creemer	4		0	25	30	14	52	\$182 for 18 months.
3 Washington, D. C.....	The Washington Training School for Nurses.....	1877	H. L. E. Johnson, M. D.....	7		0	20	5	3	....	None.
4 Chicago, Ill. (304 Hanon street).	Illinois Training School for Nurses (Cook County Hospital).*	1881	Isabel A. Hampton.....	(40)		(40)	18	2	....	....	\$100 are paid each student on graduation.
5 Indianapolis, Ind.....	Flower Mission Training School for Nurses....	1883	Florence S. Hutcheson....	9		(18)	8	2	2	52	\$8 per month first year; \$14 second year.
6 Boston, Mass.....	Boston Training School for Nurses.....	1873	M. B. Brown.....	*23		0	88	25	2	52	\$10 per month first year; \$14 second year.
7 ....do.....	Boston City Hospital Training School for Nurses.	1879	Miss Lucy L. Drown.....	16		0	111	22	2	52	\$10 to \$30 per month.
8 Boston, Mass. (Dimock street).	Training School for Nurses (New England Hospital for Women and Children).*	1872	Eugenia A. Hurd.....	1		....	(12)	14	....	....	\$150 for course.
9 Somerville, Mass.....	McLean Asylum (insane) Training School for Nurses.	1882	Edward Cowles, M. D.....	11		36	51	9	2	36	
10 Worcester, Mass.....	City Hospital Training School for Nurses....	1883	Charles A. Peabody, M. D..	11		0	26	8	2	50	Average, \$12 per month.
11 Detroit, Mich.....	Detroit Emergency Hospital Training School (Michigan College of Medicine and Surgery).	1888	Hal C. Wymann.....	14		0	8	....	2	52	
12 Grand Rapids, Mich.....	U. B. A. Home and Hospital.....	1886	L. J. Chase.....	24		0	13	2	2	40	\$7 per month first year; \$10 second year.
13 Minneapolis, Minn.....	Northwestern Training School*.....	1882	Sarah R. Throckmorton...	7		0	16	4	14	....	\$2 to \$3 a week.
14 St. Louis, Mo.....	St. Louis Training School for Nurses.....	1883	Emma L. War.....	*16		0	25	6	2	50	\$10 per month first year; \$12 second year.
15 Orange, N. J.....	Training School for Nurses, Orange Memorial Hospital.*	1880	Miss Hanna W. Baker....	1		(30)	9	2	....	....	\$90 first year; \$141 second year.
16 Paterson, N. J.....	Paterson General Hospital Training School for Nurses.	1882	....	13		0	8	3	2	52	\$108 first year; \$126 second year.*
17 Brooklyn, N. Y.....	Brooklyn Homoeopathic Hospital Training School for Nurses.	1878	Harriet C. Camp.....	14		0	30	13	2	52	\$10 a month first year; \$15 second year.
18 Brooklyn, N. Y. (cor. De Kalb ave. and Raymond st.).	Brooklyn Training School for Nurses (Brooklyn Hospital).*	1880	Miss Mary A. Camp.....	8		(52)	14	2	....	....	\$7 a month first year; \$12 second year.

19	Brooklyn, N. Y. ....	1883	Miss Ida L. Sulliffe.....	14	(33)	13	2	....	\$9 a month first year; \$15 second year.
20	Brooklyn, N. Y. (46 Con- cord st.) .....	1870	Miss S. A. Allen .....	9	(7)	7	2	....	None.
21	Buffalo, N. Y. ....	1877	Lois M. Masten.....	9	0	28	11	2	\$9 per month first year; \$12 second year.
22	do do .....	1885	Judson B. Andrews.....	4	16	18	17	2	\$10 per month first year; \$14 sec- ond year.
23	New York, N. Y. (54th st.) .....	1888	Rev. George L. Baker.....	....	0	20	....	2	\$10 per month first year; \$15 sec- ond year.
24	New York, N. Y. (Black- well's Island) .....	1875	Louise Doreler.....	11	0	85	31	2	\$10 per month first year; \$15 sec- ond year.
25	New York, N. Y. ....	1887	James F. Ferguson .....	2	24	0	1	2	\$144 first year; \$180 second year.
26	do do .....	1877	George P. Ludlum .....	1	0	120	33	1½	\$10 to \$16 a month.*
27	do do .....	1873	Agnes S. Brennan .....	7	0	62	26	2	\$7 per month first year; \$12 second year.
28	Rochester, N. Y. ....	1882	Miss S. M. Lawrence.....	9	0	26	7	2	\$120 per year.
29	Syracuse, N. Y. ....	1855	L. E. Mills .....	5	(10)	....	....	2	\$6 a month first year; \$10 second year.
30	Philadelphia, Pa. ....	1861	Annie M. Fullerton, M. D. .	2	0	41	16	2	\$10 per month.
31	West Philadelphia, Pa. .	1885	Marion E. Smith.....	2	0	83	72	1	\$9 per month to those remaining 2 years.
32	Providence, R. I. ....	1882	John M. Peters, M. D. ....	1	0	20	12	2	\$10 per month first year; \$15 sec- ond year.
33	Burlington, Vt. ....	1882	James B. Gibson, M. D. ....	5	(21)	4	2	....	\$10 a month first year; \$12 for second year.

\* For 1887-88.

## CHAPTER XXXII.

### EDUCATION OF SPECIAL CLASSES.

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#### I.—EDUCATION OF THE DEAF AND BLIND.

##### GENERAL REMARKS ON THE EDUCATION OF THE BLIND.

The most interesting question before the educators and friends of the blind is, how to educate them to make them self-supporting. The want of confidence in them on the part of persons who can see is the great obstacle with which a blind person has to contend. The question is almost universally asked, What can they do? We have numerous instances all around us of blind clergymen, lawyers, musicians, business men, farmers, mechanics, dressmakers, typewriters, and, in fact, in almost every occupation of life we find the blind at work with a success that contradicts the oft-repeated and mistaken idea that a blind person can not be successful in this great struggle. Courage, patience, and energy will bring the same reward to the blind as they will to the seeing. The mountain side may be steeper, the path may be rougher, but concentration and courage will crown the efforts of the blind with success.

The institutions of to-day for the blind are not only educating men and women in the theories of life work, but are imparting to them a practical knowledge of such subjects as each student seems to have an aptitude for. The broadened culture of the times, and the increasing competitions in trade, demand with emphasis the most skilled products of brain and hand. It is a serious thought that men in this age are liable to get out of place, and thus it behooves all to intensify and concentrate their life work on some specific occupation.

The teacher of the blind should study until he understands thoroughly each pupil placed under his charge so that he can educate and foster any talent that he may possess. If musical ability exists, let him cultivate this talent until the student becomes an expert—a specialist. If he finds that the student has a talent for teaching, let him give him all the advantages that the institutions of to-day possess, and make him an expert teacher. Whatever occupation the blind boy or girl makes choice of for his life work, let him or her be educated in that until success has been attained. A thorough mastery of some accomplishment, profession, or calling is the condition of success in after life for the blind, as well as for the seeing.

The committee appointed at the ninth biennial meeting of the instructors of the blind have abandoned the plan of a national university, and are asking of Congress an appropriation, to be apportioned among the States, to help blind pupils who wish higher education to attend the seeing universities and colleges. A bill to this effect has been placed by the committee in the hands of the House Committee on Education.

##### MEETING OF THE AMERICAN INSTRUCTORS OF THE BLIND.

The tenth biennial meeting of the American Instructors of the Blind was held at the Maryland School for the Blind, July 10, 11, and 12, 1888.

The schools of the United States and Canada were largely represented.

Papers were read upon the following subjects: "Home teaching," "Higher education," "Facial perception," "Stability of office tenure," "Institution discipline," "Occupation available to the blind after finishing their school course," "The cultivation of memory," "Hints on teaching music," "Methods of teaching."

The advancement and elevation of this phase of educational work is greatly assisted by the holding of these conventions. The papers read and the methods discussed serve to stimulate every teacher in the good work.

The subjects discussed were all of the greatest importance to those interested in the education of the blind.



The paper on "The higher education and the future welfare of the indigent blind" was read by Mr. Doyle, of the Virginia Institution for the Deaf and the Blind. In it he says:

"First. Higher education for the blind is most desirable. \* \* \* It is a fact proven abundantly by themselves that the blind have both the capacity and the desire for a higher education. \* \* \*

"Third. All that is lacking to provide for them in this respect is a wise utilization of the means already in hand, and the securing of a certain and adequate money supply to enable the *élèves* of the institutions to enter the higher walks of learning after they have received the benefit of all the facilities that the institutions can furnish.

"Fourth. This 'certain and adequate money supply' can come from but two sources, private benefactions or public appropriations. The first can scarcely be hoped for, certainly it can not be depended upon. The second can be secured if only this association will set itself heartily, vigorously at work to secure it."

Mr. Doyle would care for the indigent blind by helping them to care for themselves. He says: "Surely if we want to raise the condition of the indigent blind man we should strive to do so, if it be possible, in such a way as to preserve his own self-respect. He should be encouraged to help himself to the extent of his abilities, and when his endeavor fails the helping hand should be extended. In working for himself he will grow stronger as he surmounts difficulties. Every time a want is supplied by a man's own efforts the faculty which is called into play becomes stronger and the receiving want is smaller in proportion to the power of meeting it. Every time a want is met by the exertions of some one else, the power of meeting it by one's own effort is weakened."

He recommends that working homes for the blind be established in the different States similar to the working home for blind men in Philadelphia.

Mr. Parmalee, of the Nebraska Institute for the Blind, read a paper upon "The relation of school work to the future of the blind." In it he says: "More stress, it seems to me, needs continually to be laid upon the development of independent thought and research, the power to reason from cause to effect, of concentration upon a given subject, and such qualities of mind as courage, zeal, and persistence; a courage which is not daunted by defeat, a zeal not dependent on moods and caprice, and resoluteness of purpose and oneness of aim which shall not be turned aside by every east wind of opposition or adversity. And, further to the same end, we should persistently endeavor to assist our charges to rid themselves of all mannerisms, to form correct habits, and withal to be able to meet their fellow-man with clean hands and a pure heart. These are the qualifications and this the work necessary in building up a character and personality which shall make itself felt in the home circle, in social or church life, or in the body politic."

#### SOME CONCLUSIONS OF THE ROYAL COMMISSION ON THE DEAF, BLIND, ETC.

The most important event of the year in the education of those who have lost or who have never possessed sight or hearing is the long-awaited report of the Royal (English) Commission on the Blind and the Deaf and Dumb. It was before this commission that Professor Gallaudet, of the National Deaf College, testified as noted in our report for 1885-86, and subsequently Prof. A. Graham Bell.

The commission was originally intended to investigate the condition of the blind, but subsequently the scope of the inquiry was enlarged to include the deaf and such feeble-minded persons as were educable. We are not, of course, concerned so much with the condition of the blind and deaf in England as with the conclusions that the commission has reached on the burning questions whether the pure oral method be the greatest good to the greatest number of deaf children, and what shall be done to help the blind graduate. On the question whether the New York Point is better than the Braille, a burning question in this country, there is no doubt in England; they have one system only—the Braille. It should be stated, however, in passing that classes for the blind have been established by the school boards of London, Bradford, Cardiff, Sunderland, and Glasgow. A public day school for the blind has not yet been made a part of any of our city systems of public schools, as far as this Bureau is aware. For the deaf, of course, day schools have been established for some years.

The commissioner first defines the three systems of communication used by the deaf in the following terms:

"The three systems—sign and manual, oral, and combined—while having in common the desire to enable the deaf to *earn their livelihood*, work to this end in different ways. The first specially trains the deaf to communicate and associate with their fellow-deaf; the pure oral system specially trains the deaf to communicate and associate with the hearing and speaking world; the combined system, as its name implies, tries to combine the two former, the result being that, with few exceptions,

signs and the manual alphabet prevail and cause the pupil to relinquish the use of speech and to seek the society of deaf and dumb people. \* \* \*

"Starting upon the assumption that a written language is common to all, one party says: 'We think that the sign language is the natural way in which the deaf and dumb express themselves;' the second, 'We aim at making the deaf and dumb conversant with our own language and able to express themselves in spoken language;' the third, 'Why should not you give the deaf and dumb the advantage of both systems?' All these have a common object in view; i. e., to acquire language, the first by manual alphabet in addition to signs, the second by speech alone, and the third by a combination of all three."

The commission think that all the deaf not physically or mentally unsuited for it should be taught to speak and lip-read on the pure oral system, and that all children who are deaf be taught for one year at least on the oral system. But if the oral system is to be carried out, teachers must be provided; for the oral teacher must have a thorough knowledge of the *modus operandi* of the vocal organs, the function of the tongue, lips, and nose in speech. To obtain this special training requires two years, as in Germany when these two years are additional to the usual teachers' training course.

The commission, however, is very far from advocating the radical changes that the resolutions of the Milan convention<sup>1</sup> caused in France.

The number taught on each system of communication in the United Kingdom is as follows:

Number taught on the manual and sign system .....	1,026
Number taught on the combined system .....	545
Number taught on the oral and pure oral system .....	1,563
	3,134

At a recent conference of those interested in the education of the deaf and dumb the following resolutions were passed:

"*Resolution No. 1.*—That the provision of the education acts be extended to the deaf and dumb, and power be obtained to enforce the compulsory attendance of children at an institution or day school up to the age of sixteen.

"*Resolution No. 2.*—That recommendations of the royal commission Nos. 2 and 3 be approved: No. 2. That when the number under any school authority is too small to form a class, or when the child is unable to attend an elementary school, the school authority should have the power and be required either to send a child to an institution or to board out such a child under proper inspection, and to contribute to his education and maintenance such annual grants as would be required to the contribution now allowed to be paid by boards of guardians; and if there should be neither institution nor school available or willing to receive such child, the school authority should have the power, either by itself or in combination with other school authorities, to establish a school or institution for the purpose, and to educate such children under proper inspection. No. 3. That, independently of the position of the parent, a capitation grant, not less than half the cost of the education of such child, with a maximum grant of £10, should be given for all in the same way as in ordinary elementary schools, and that the fees payable by necessitous parents should not exceed those payable in the case of ordinary children, but that in all cases parents should contribute according to their ability.

"*Resolution No. 3.*—That recommendation of the royal commission No. 4 be approved; that the age of entry should, as far as possible, be seven; that pupils should, as a rule, be admitted only once a year; that the school attendance should be compulsorily enforced for at least eight years without any existing limit of distance from school, and that power should be given to local authority to pay the rail or tram of such children when necessary.

"*Resolution No. 4.*—That recommendation of the royal commission No. 7 be approved; that technical instruction in industrial handicraft should be under the education department as part of the curriculum in schools for the deaf and dumb after the age of twelve or thirteen, and that this training be continued to sixteen. After sixteen it may be left to institutions to apprentice their pupils or to send them to the technical or industrial schools provided for ordinary children.

"*Resolution No. 5.*—That this conference regards the establishment of a training college for teachers of the deaf and dumb as of paramount importance, and approves the paragraphs Nos. 19 and 20 of the recommendations of the royal commission in that behalf."

In the Bureau's Report for 1886-87, when speaking of "Workshops for the blind" (p. 838), mention is made of the "Saxon system" of care for the blind—*Fürsorge*, that is to say, protection.<sup>2</sup>

<sup>1</sup> See p. 821, U. S. Bureau of Education Report, 1886-87.

<sup>2</sup> The fund the interest of which is distributed, which was given in 1886-87 as \$7,500, was incorrect for that date. The fund is now about \$250,000.



The commission finds this to be the system best adapted to the purpose and recommends its adoption for the United Kingdom, under the following conditions. "(1) That a register should be kept of all the pupils leaving the institution; (2) that they should be assisted in carrying on a trade, should they wish to set up for themselves, and in the first instance be provided with tools and material gratis, and subsequently at cost price; (3) that the institutions should endeavor to provide funds to supplement the workman's earnings, grant loans, or afford him assistance in case of illness; (4) an endeavor should be made to interest some influential local agency, with which the institution should correspond on behalf of the blind."

Of course the first request is to obtain a sufficiently large fund, the interest of which would eke out the earnings of the blind workman.

At the conference already referred to, the following resolutions in regard to the blind were also presented: It is thought probable that early legislation will carry the resolutions, both for the deaf and blind, into effect.

"(1) That the time has now arrived when the education of the blind should be put on at least an equal footing with that of the seeing, and that provisions of the education acts and codes be therefore extended to them, with such modifications and further assistance as the conditions require, in accordance with the recommendations of the royal commission on this point, and that consequently those schools and institutions which are willing to accept state inspection should be granted state aid.

"(2) That in the case of the blind, whether children or adults, it is also desirable that special technical and industrial training should be added, aided by the education department, in addition to other subjects.

"(3) In reference to the respectable old and infirm blind the conference thoroughly indorses the recommendation of the royal commission, and also adopts the suggestion contained in paragraph 263 of their report, viz: 'We think that when the industrious and well-conducted blind are unable to work and have to fall back on the assistance of the poor law, the workhouse test should not be applied, and we recommend that there should be a liberal outdoor relief (which should not subject them to any legal disqualifications) given to those who have friends to live with, and that the blind be not forced to go into the workhouse; and in the case of those who are admitted to the house, the workhouse selected for the purpose should be in a town where an institution or association for the blind already exists; the blind inmates, moreover, to be treated in a more generous way than ordinary paupers; and power should be given to the guardians in London or elsewhere to set apart a separate ward or home for the reception of the aged pauper blind, or to combine with other boards in providing a separate home for them. In case of women it might be expedient to place them in a cottage home.'"

#### NOTES FROM CATALOGUES, ETC.

##### I.—Institutions for the deaf.

*Alabama Institution for the Deaf, Talladega, Ala.*—The commissioners and principal of this institution are earnestly recommending the establishment of a school for the colored deaf and blind.

The oral department has been carried on with good results. The institution has secured an additional teacher and intends to enlarge in this direction.

*Arkansas Deaf-Mute Institution, Little Rock, Ark.*—The north wing of this institution has been entirely rebuilt.

"Articulation and lip-reading and the related branches of auricular instruction have been given the same amount of attention as formerly. All those cases where it is thought there was a chance for sufficient permanent improvement to justify the attempt have been taught, and many cases where the chance seemed doubtful have been given a fair trial."

The great advantages of manual training seem to be thoroughly understood and appreciated in this institution. The department teaches drawing and painting, printing, photography, house-painting, shoemaking, sewing and domestic work. They do job printing; and all the shoes that are used in the school are made by the pupils.

*California Institution for the Education of the Deaf and Dumb and the Blind, Berkeley, Cal.*—There are 30 pupils in the articulation and lip-reading class of this institution. Ten minutes a day is the time given to each pupil in the class. The friends of the institution are asking for funds to enable them to employ more teachers.

"The deaf are facile in everything requiring a quick eye and dexterous fingers. Drawing, painting, modeling, carving, engraving, are among the branches of fine art in which the deaf mute may and often does excel. Of the mechanical arts none are beyond his reach, and it is only a question of advantage as to which he shall turn his hand to. Up to this time there has not been much choice of handicraft offered in this institution. Wood-working and painting shops have been established, and the results have justified the selection. The boys in both departments have made marked progress, and the cabinet work done at their hands would not discredit journeymen."



*Colorado Institute for the Mute and the Blind, Colorado Springs, Colo.*—Every pupil on entering the school is placed in the articulation and lip-reading class. Those whose progress warrants success are kept in the class. All the pupils are given instruction in manual training of some sort. In the carpenter shop there are a number of boys that when it becomes necessary for them to leave the institution can make a good comfortable living. The printing office publishes the Colorado Index, which has not only paid all the expenses of publication, but has been a source of revenue to the institution.

*American Asylum for the Deaf and Dumb, Hartford, Conn.*—"Of the pupils received into this school during the last 4 years 74 per cent. gave sufficient promise of success in acquiring speech and lip-reading to warrant their continued daily instruction in those branches. Of those taught, 47 per cent. were born deaf, 14 per cent. lost hearing under 2 years of age, 24+ per cent. lost hearing between the ages of 2 and 4 years, and 14+ per cent. lost hearing at the age of 4 years."

Of the manual training department the principal says: "Instruction in this new department was begun in 1822, and in the following year two large and convenient workshops were erected. From that day to this manual training has been a part of the instruction of every able-bodied boy, rich and poor alike, passing through his school course here. Our former pupils are now at work as cabinetmakers, carpenters, furniture-makers, in many other capacities where wood-working tools are used, and in a variety of occupations which the training of eye and hand and of the judgment here has fitted them to take up successfully."

*Kansas Institution for the Education of the Deaf and Dumb, Olathe, Kans.*—The opportunity is given to those who show aptitude for the learning of articulation and lip-reading, with daily recitations in the class room, in addition to the regular work.

In the industrial department the pupils are taught cabinetmaking, shoemaking, printing, and sewing.

*Maryland School for the Deaf and Dumb, Frederick, Md.*—"We give every child who enters an opportunity to learn to speak. No matter what the mental condition nor how unpromising the case may be, the child is faithfully taught through the first year by teachers who rank with the best in the country in oral teaching. At the end of the year those who have not made sufficient progress to justify their continuance are dropped from the oral classes and from time to time receive their instruction through the manual and sign method."

The principal, in speaking of the industrial department, in his annual report says: "All boys who are large enough are employed about 2½ hours daily, either in the shoe shops, cabinet shop, or printing office. They are assigned to one or the other, either by choice of parent of the boy himself, or the principal, and are seldom allowed to change from one to the other. Our boots and shoes are disposed of at wholesale at fair prices and are in constant demand. The shop, however, is not a source of revenue nor can any shop be which is carried on by the labor of pupils whose time is chiefly devoted to school. Our shops are schoolrooms and our foremen teachers whose business is to train workmen rather than to turn off work. The cabinet shop does all our repair work except plumbing, makes up such articles of furniture as we require, and sometimes fills orders for fine work for outside parties. We have also made a good deal of cheap work for the furniture stores."

"In the printing office we have continued the publication of the Bulletin, a biweekly newspaper for general circulation as well as for use in the school, have printed our own reports and daily lessons for the class use and other miscellaneous work."

The girls have been taught plain sewing and the use of machines. The older ones have also been instructed in dressmaking.

*Clarke Institution for Deaf-Mutes, Northampton, Mass.*—"In our schoolroom work our first aim is to develop the minds of our pupils and to teach language as an expression of thought. During the earlier years all effort is directed toward this end. The later years are occupied with a regular course of study, although the acquisition of language is always considered of prime importance. The ease with which such branches of study may be pursued is in exact proportion to the knowledge of language previously acquired. This knowledge of language we attempt to give through the oral method, so called. This method teaches the child spoken words first, then written words. Our communication with pupils and all instruction is through spoken or written language. Ability to understand the language of books and the spoken language of the persons with whom one is associated is all that is needed to make unlimited acquisition of knowledge possible. In so far as we can impart this ability to our pupils we furnish them in the best possible way for life among men. If we add to this such training of eye and hand as shall fit our boys and girls to support themselves, we have surely done for them the utmost in our power. With this last object in view, our older boys are employed in cabinetwork under a competent instructor from 2 to 3 hours each day. The girls are taught sewing and light housework, and instruction in wood carving and cast drawing is given to all the older

pupils who, on trial, show any aptness for either. Physical culture is not neglected. Plenty of exercise in the open air is insisted upon, and gymnastic exercises are practiced regularly in the primary school; but the need, especially for our older pupils, of a well-equipped gymnasium is greatly felt.

*Michigan School for the Deaf, Flint, Mich.*—The chief aim of this school is to give the pupils a knowledge of the English language. To have pupils to elegantly express themselves and think in this language is the great end sought.

No one method is used to the exclusion of others. In the oral classes pupils are confined to lip-reading and speech. The manual alphabet is generally used in all other class rooms as a means of communication.

None but expert instructors in the workshops of this institution are employed. The trades taught are those that the pupils will be most likely to find employment in when they leave the school.

After a five-years' course of study the pupils are given an industrial training-course, each pupil spending four hours daily at his work. Cabinetmaking, shoemaking, printing, plumbing, baking, and farm work are taught to the boys. The girls are taught sewing, dressmaking, ironing, making beds, sweeping, doing dining-room and kitchen work.

*Minnesota Institute for Defectives, Faribault, Minn.*—On entering this school all the pupils are placed in the articulation class and given a fair trial, and if the teacher is satisfied that the pupil can not successfully be taught lip-reading and speech, articulation is discontinued. Fifteen pupils are taught exclusively speech and lip-reading and have no other method of communication with each other and their teachers. More than 10 per cent. of the pupils of this institution have been found capable of receiving permanent improvement in articulation and lip-reading.

The progress in the industrial department is very gratifying to the superintendent. He says: "The shop makes education practical, not to say profitable. It makes children grow up familiar with work, and when they leave school they do not feel above work." \* \* \*

"Manual work and intellectual work ought not to be divorced, and when a boy is taught to use his hands as well as his brains, his education is broader, more practical, and more helpful to himself and the State."

*St. Joseph's Institute for the Improved Instruction of Deaf-Mutes, Fordham, N. Y.*—A new and commodious building has been erected for this school; the entire cost will not exceed \$55,000. Strict attention is paid to speech and lip-reading in the more advanced classes. All the lessons are studied until the language is thoroughly understood. The industrial department also receives its full share of attention. Many of the older pupils that have left the institution have been successful in obtaining employment.

*Western Pennsylvania Institution for the Instruction of the Deaf and Dumb, Edgewood, Pa.*—The combined method of instruction is used in this institution. More attention is being given to articulation and lip-reading.

A new building has been erected for the industrial department, which has infused new life in this part of the work. The older pupils spend from three to four hours a day in the workshops, the younger ones about two hours. Shoemaking, carpentry, cabinetmaking, and wood carving is taught. All the furniture required for the building is made in the cabinet shop by the boys of the institution. The girls are taught plain sewing, dressmaking, and house work.

*Pennsylvania Institution for the Deaf and Dumb, Philadelphia, Pa.*—The board of directors of this institution has purchased a new site in the Twenty-second ward of the city of Philadelphia, containing 61 acres, at a cost of \$120,000. They hope to complete the new building in about three years. More than \$500,000 will be required for all the improvements.

In the oral department of this school there are eleven instructors and one hundred pupils. In the industrial department instruction is given in printing, drawing, tailoring, shoemaking, carpentering, glazing, dressmaking, and cooking.

*Institution for the Education of the Deaf and Dumb and the Blind, Staunton, Va.*—In this institution the industrial department receives especial attention. It includes carpentering, upholstering, joiner work, house-painting and baking, all under the supervision of competent instructors.

The combined method of instruction is used.

*Wisconsin School for the Deaf, Delavan, Wis.*—The oral and combined methods are taught in this school. Special oral instruction is given to three classes, and good results have been obtained. For twenty years past speech and lip-reading has been taught in this institution.

Two and one-half hours daily are spent in the workshops. The pupils are taught shoemaking, carpentering, printing, baking, sewing, and mending.



II.—*Institutions for the blind.*

*Indiana Institution for the Education of the Blind, Indianapolis, Ind.*—The normal department of music is comparatively new in this institution. The aim of this department is to give such instruction in the art and practice of teaching as to make of each pupil a successful teacher.

Great interest is felt in the industrial department of this school. The superintendent says in his annual report to the trustees: "While we do not undervalue in the least degree the many benefits to be derived from intellectual and musical culture, yet we feel that in a school for the blind too much attention can not be given to industrial education, for we recognize the fact that the mental stamina and natural inclination of many blind youths are such that if they are fitted at all by training to earn their own living it must be done by teaching them some useful trade. Furthermore, to be occupied in some congenial handicraft and be able to manipulate the different parts of simple machinery and different kinds of material are not only sources of great pleasure to the blind, but they furnish means by which habits of industry, perseverance, and activity are cultivated. \* \* \* Therefore no scheme for the education and training of the blind that does not provide for a well-equipped and well-regulated industrial department is complete."

*Kansas Institution for the Education of the Blind, Kansas City, Kans.*—The superintendent in his report to the trustees speaks of the prosperous condition of this institution and the practical results of the graded system of the school. He says: "Its results have been most beneficial to the pupil as well as the teacher, making the work of both much more easy and thorough, and enabling us to give to the primary department that vigorous training which is so much needed in after life."

Speaking of the results of the point method, he says: "With a thorough knowledge of the point, equipped with all the requirements, a blind pupil will accomplish as much and with nearly the same rapidity as the seeing."

*Maryland School for the Blind, Baltimore, Md.*—The committee on instruction of this school strongly recommends the higher education of the pupils of the school for the blind.

"(2) Blindness is a physical defect, and always must limit the physical efficiency of the blind man, but his intellectual capability is another thing. The public is too apt to confound the two, while in practice the very fact of the physical defect actually increases the mental power, for it calls into play such faculties as concentration and attention to a higher degree than the seeing can ever need them.

"(3) If the above is true there is no class of our fellow-men who require more the benefit of a higher education. At present the public idea is that a blind man can be educated to a certain point, and at this point his physical defect places the limit. The public utterance in all the schools, 'thus far shalt thou go, and no farther,' is unfortunately taken up by the blind, for a man is very apt to believe himself to be what his fellow-man declares him, and the blind man with his sense of infirmity is probably more sensitive to such impressions than the seeing. It is not necessary to call to mind a historian like Prescott, a postmaster-general like Fawcett, or a mathematician like Carl; there are numerous instances all around us, lawyers, musicians, clergymen, business men, who have simply become so because they had the means to secure a higher education.

"(4) We are often told that such and such a blind man has failed in the struggle of life, and this is used as an argument to prove that the blind man can not successfully hold his own in this great struggle. I have made it my business to inquire of a large number of superintendents and individuals, and I have yet to meet the first case where the blind man has failed because he was blind. In every instance he would have failed from the same want of character had he been a seeing man, and to step a little lower, I have yet to find in all my experience, with one exception, a single instance of a blind beggar who was not either an imposter, vicious, or profligate, and my experience is the same as that of others connected with the blind."

*Perkins Institution and Massachusetts School for the Blind, Boston, Mass.*—This institution has received a bequest of \$4,250 by the will of Ann Schofield; also a gift of \$38,000 towards the endowment fund for the kindergarten department from Miss Helen C. Bradlee. The gift of Miss Bradlee is the largest thus far the institution has ever received. It will be known as the "Bradlee Fund."

The building dedicated one year and a half ago to the uses of the kindergarten has already become crowded to its utmost capacity. The director of this department has asked the trustees for a second building similar to the first one in size and architecture.

*Ohio Institution for the Education of the Blind, Columbus, Ohio.*—The superintendent recommends action on the part of the legislature making it compulsory to send children of proper ages and mental capacity to the school provided for them by the State. He also indorses the action of the convention of the American Instructors for the Blind in Baltimore, Md., in reference to the printing of text-books on every subject taught in the various institutions; and believes that the use of text-books will



teach them to rely more upon themselves and to utilize time lost by the oral method. He recommends the use of the New York Point in printing the majority of the books for the use of the blind, because it is more easily read by those whose fingers are less delicate to touch, and because the point is available for writing, "enabling pupils to take notes on their school work to preserve for future reference, and for purposes of correspondence." He says that higher education is desirable, and with the proper facilities provided the usefulness and happiness of the pupils will be secured, and the graduates will profit by the higher course. He recommends the addition of a collegiate department, equipped with the necessary teaching force and apparatus for acquiring the higher education.

This institution has a well-equipped manual-training department. In the tuning shop thirty-four young men are taught tuning and repairing. Eight pianos and five models of actions from different manufactories are used. Fifty-four pupils are learning to make brooms, who devote their time to this work when not occupied with other duties. In the cane-seating shop there are forty-six pupils under instruction. In the sewing department ninety-six girls are taught plain hand and machine sewing, darning and mending.

*Pennsylvania Institution for the Instruction of the Blind, Philadelphia, Pa.*—In this institution the higher education of the pupils is recommended, and in the manual training department the selection of special trades for the blind is considered of the greatest importance. Trades that can be followed by individuals should be selected, and care should be taken to select such trades as are not likely to be interfered with by the introduction of machinery. The superintendent also recommends instruction in business methods, and that the pupils be taught to cultivate habits of self-reliance.

This school claims to be the first to have formally introduced cooking as a regular branch of instruction.

"A room has been fitted as a kitchen, and here twice a week sixteen girls may be seen busily at work over their tasks, involving all the principles of the culinary art. Not only are they taught to bake and broil and fry, but the course goes deeper in the training in domestic economy, the arts of utilizing previously cooked foods, the making of palatable and nutritious dishes from inexpensive materials, undesirable cuts of meat, and the parts usually wasted; in fact, in the many petty household economies of which the French are masters and in which the American housewife is commonly deficient. The chemical composition of foods, as well as the requirements of the body, are all considered, and fact and rule take the place of *judgment* and *taste*, those terms so common in cook books.

"The experience of a year has shown it to be entirely practical and fully justifies the anticipations of success."

#### *Remarks on the tables.*

The Eastern Iowa School for the Deaf, at Dubuque, Iowa, and the Albany School, at Albany, N. Y., are private institutions for the education of the deaf and dumb and have been established since the preceding Report. The manual or sign method of instruction is used by the Eastern Iowa School, and the oral at the Albany School.

Of the 75 institutions for the deaf appearing in the following tables, 66 have reported direct to this Office. Forty-two use the combined method of instruction, 15 the pure oral, and 9 the manual or sign method. The number of pupils taught speech and lip-reading in the schools using the combined and oral methods as reported to us is 2,274, or about 28 per cent. of the whole number of pupils reported in the institutions for the deaf and the dumb. Two hundred and eighty-nine pupils graduated from these institutions in 1888-89. The whole number of pupils graduated since the organization of the institutions is 5,075. The number of pupils in the kindergartens is 161, and in the manual training departments 2,757. The trades taught are photography, gardening, drawing, painting, sewing, dressmaking, carpentry, printing, shoemaking, molding, patternmaking, coopering, wood engraving, wood carving, charcoal drawing, crayon drawing, typewriting, tailoring, cooking, machine sewing, millinery, stocking knitting, fancy work, scroll sawing, modeling in clay, metal working, laundry, housepainting, plumbing, bookbinding, glazing, and farming. The number of institutions that give instruction in kindergarten work is 6, and in manual training 38. The schools are raising the standards of their literary departments and are reporting progress all along the line.

The number of institutions for the blind appearing in the tables is 34, including the institution at Cheyenne, Wyo., from which no information has been received by this office. The 33 institutions reporting show an increase of 71 instructors and 274 pupils over last year's report.

In the cases of institutions for both the deaf and blind it has been found impossible to separate the receipts and expenditures of the departments for the deaf from those of the departments for the blind. In order to prevent confusion and a fictitious increase in these items, all the financial statistics received from such institutions have been placed in the tables of statistics of the education of the deaf. The school for the colored blind at Austin, Tex., is the only exception to this.

Summary of statistics of institutions for the deaf for 1888-89.

State.	Instructors.						Pupils.				Receipts.	Expenditures.	Number of volumes in library.
	Male.	Female.	Total.	Articulation and lip read.	Male.	Female.	Total.	Articulation.	In kindergarten.	Articular perception.			
1	3	4	5	6	7	8	9	10	11	12	13	14	15
United States.....	74	248	362	610	191	4,635	3,521	8,156	2,672	276	\$1,711,108	\$1,864,836	74,354
North Atlantic Division.....	21	55	168	223	122	1,530	1,218	2,748	1,338	180	717,942	674,967	25,298
Maine.....	1	0	7	7	7	32	23	55	55	0	5,400	.....	.....
Massachusetts.....	4	0	27	27	25	115	120	235	224	0	37,959	35,101	2,133
Rhode Island.....	1	0	6	6	5	13	21	34	34	0	4,000	3,867	350
Connecticut.....	2	7	11	18	7	109	78	187	25	0	4,375	.....	2,000
New York.....	9	34	75	109	59	831	629	1,460	819	180	438,991	461,114	14,140
New Jersey.....	1	1	6	7	2	56	54	110	.....	0	33,440	33,440	0
Pennsylvania.....	3	13	36	49	17	374	293	667	181	0	193,767	141,445	6,675
South Atlantic Division.....	10	39	27	65	13	454	316	770	192	6	218,107	182,806	9,657
Maryland.....	3	5	11	16	6	85	63	148	77	0	33,520	32,006	2,200
District of Columbia.....	1	10	2	12	1	102	30	132	28	0	62,457	61,941	3,500
Virginia.....	1	7	3	10	1	43	47	90	23	0	35,650	35,100	.....
West Virginia.....	1	3	2	5	1	31	22	53	26	0	25,000	24,373	757
North Carolina.....	1	5	2	7	1	84	80	164	10	0	57,000	4,450	1,600
South Carolina.....	1	2	3	5	2	42	38	80	17	0	.....	.....	.....
Georgia.....	1	4	2	6	0	55	31	86	.....	0	19,500	20,050	1,200
Florida.....	1	3	2	5	1	12	5	17	11	6	5,000	5,000	.....
South Central Division.....	9	32	29	61	8	497	362	859	146	0	109,862	174,249	4,722
Kentucky.....	1	9	5	14	1	100	69	169	14	0	36,437	38,982	1,650
Tennessee.....	1	4	3	7	1	87	64	151	13	0	.....	24,000	600
Alabama.....	1	2	4	6	2	50	30	80	17	0	17,400	21,000	600
Mississippi.....	1	5	3	8	1	46	39	85	30	5	.....	12,075	500
Louisiana.....	2	3	2	5	1	38	30	68	0	0	9,000	9,675	150
Texas.....	2	7	7	14	1	119	72	191	38	0	48,547	48,547	750
Arkansas.....	1	2	5	7	1	57	53	115	34	0	23,035	19,370	472

North Central Division															28	102	129	231	41	1, 078	1, 502	3, 480	915	72	122	573, 778	720, 643	22, 687
Ohio	5	16	16	32	4	254	241	495	125	0	6	1, 578	86, 430	2, 100														
Indiana	2	10	11	21	2	207	166	373	89	0	0	109, 800	63, 764	5, 768														
Illinois	4	18	33	51	8	349	270	619	213	10	59	114, 600	113, 054	10, 460														
Michigan	2	10	12	22	2	191	151	342	90	0	0	62, 300	60, 720	350														
Wisconsin	4	12	17	29	12	220	115	335	107	32	11	44, 350	36, 629	1, 265														
Minnesota	2	6	6	12	4	123	95	218	117	30	0	35, 200	34, 000	1, 300														
Iowa	2	9	10	19	2	191	134	325	44	0	0	28, 300	18, 000	640														
Missouri	4	7	9	16	3	201	153	359	50	0	20	67, 250	192, 250	11, 851														
Dakota	1	3	1	4	1	32	15	47	16	0	0	33, 000	800	160														
Nebraska	1	4	4	8	2	63	51	114	33	0	14	32, 000	31, 000	54														
Kansas	1	7	10	17	1	147	106	253	40	0	12	46, 000	71, 000	250														
Western Division	6	20	9	29	7	176	123	299	81	18	8	91, 419	112, 111	1, 990														
Colorado	1	5	3	8	1	33	29	62	15	0	3	25, 658	25, 658	500														
New Mexico	1	1	1	1	1	5	3	8	8	0	0	1, 018	1, 018	40														
Utah	1	1	2	3	1	20	15	35	6	0	0	5, 000	0	0														
Washington	1	1	1	3	2	15	11	26	8	0	5	6, 000	30, 000	0														
Oregon	1	1	1	2	1	15	15	30	7	0	0	7, 000	7, 200	0														
California	1	9	3	12	2	88	50	138	45	18	0	46, 743	48, 235	1, 450														



Statistics of institutions for the deaf for 1888-89. — Part I.

Post-office address.	Name.	Year of first opening.	Superintendent or principal.	Instructors.		Pupils.			
				Male.	Female.	Articulation and lip-reading.	Male.	Female.	Kindergarten.
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

30	West Medford, Mass	Sarah Fuller Home for Little Children who can not hear.	1898	Miss Eliza L. Clark.	0	3	3	13	5	18	0	
31	Flint, Mich	Michigan School for the Deaf	1851	M. T. Cass	7	12	2	109	133	0	50	0
32	Norris, Mich	Evangelical Lutheran Deaf and Dumb Institution	1874	D. H. Uhlig	3	0		22	18	0	40	0
33	Faribault, Minn.	Minnesota School for the Deaf	1863	J. L. Noyes, D. H. L.	6	4	2	102	79	30	80	0
34	St. Paul, Minn	Institute for Deaf-Mutes	1886	Miss Nardin	2	2	2	21	16		37	
35	Jackson, Miss	Institution for the Education of the Deaf	1854	J. R. Dobyns, A. A.	5	3	1	46	39		30	5
36	Fulton, Mo	Institution for the Education of the Deaf and Dumb	1851	J. N. Tate, A. M.	6	6	2	162	120	0	40	20
37	Hannibal, Mo.	St. Joseph's Deaf-Mute Institute	1881	Sisters of St. Joseph								
38	St. Louis, Mo	Maria Consilia Institute for the Deaf	1885	Sister Mary Adelo								
39	do	St. Louis Day School for the Deaf	1878	R. P. McGregor	1	1	2	12	24	0	10	0
40	Omaha, Nebr	Nebraska Institute for the Deaf and Dumb	1869	John A. Gillespie, A. M.	4	4	2	63	51	0	33	14
41	Trenton, N. J	New Jersey School for Deaf-Mutes	1853	Weston Jenkins	1	6	2	56	54			
42	Santa Fe, N. Mex	School for the Deaf and Dumb at Santa Fe, N. Mex	1885	Lars M. Larson, B. A.								
43	Albany, N. Y.	Albany Home School for the Deaf	1889	Miss Anna M. Black	0	1	1	5	3			
44	Buffalo, N. Y.	LeConte's St. Mary's Institution for the Improved Instruction of Deaf-Mutes.	1861	Sister Mary Anne Burke	3	16	10	89	75	22	150	9
45	Fortham, N. Y.	St. Joseph Institute for Improved Instruction of Deaf-Mutes.	1869	Madame Ernestine Nardin	1	19	17	133	163		247	52
46	Malone, N. Y.	Northern New York Institution for Deaf-Mutes	1884	Henry C. Rider	4	1	1	48	26		15	
47	New York (Lexington ave- nue between 67th and 68th streets), N. Y.	Institution for the Improved Instruction of Deaf-Mutes.	1867	D. Greenberger	4	11	15	110	89	60	139	
48	New York (Washington Heights), N. Y.	New York Institution for the Instruction of the Deaf and Dumb.	1818	Chauncey N. Brainard	8	9	7	249	128	25	0	44
49	New York (618 Lexington avenue), N. Y.	Miss Keeler's Articulation Class for Deaf-Mutes.	1885	Sarah Warren Keeler	1	1	2	8	3	6	11	2
50	Rochester, N. Y.	Western New York Institution for Deaf-Mutes	1886	Zenas F. Westervelt	6	13	5	98	78	67	176	22
51	Rome, N. Y.	Central New York Institution for Deaf-Mutes	1875	E. B. Nelson	7	4	1	94	66		20	
52	Raleigh, N. C	North Carolina Institution for the Deaf and Dumb and the Blind	1845	W. J. Young	5	2	1	84	80		10	
53	Cincinnati, Ohio	Cathedral School for the Deaf	1887	E. P. Cleary	1	1	0	10	19		0	0
54	do	Day School for Deaf Mutes	1875	Carrie Feschenbeck	1	1	0	7	8		0	0
55	Cincinnati (N. 9th street), Ohio.	Oral School for the Deaf	1886	Virginia A. Osborn		2	2	7	13		20	6
56	Cincinnati, Ohio	Springer Institute	1888	John M. Mackey	1							
57	Columbus, Ohio.	Ohio Institution for the Education of the Deaf and Dumb.	1829	Amasa Pratt, A. M.	13	12	2	220	200		105	
58	Salem, Oregon	Oregon School for Deaf-Mutes	1870	P. S. Knight	1	1	1	15	15		7	
59	Philadelphia, Pa.	Pennsylvania Institution for the Deaf and Dumb.	1821	A. L. E. Grenter, A. M.	9	27	13	239	197	0	120	
60	Scranton, Pa.	Pennsylvania Oral School for the Deaf	1884	Emma Garrett	3	3	3	19	15		34	4
61	Wilkesburg, Pa.	Western Pennsylvania Institution for the Instruc- tion of the Deaf and Dumb.	1876	Wm. N. Hurt	4	6	1	116	81	0	27	0
62	Providence, R. I.	Rhode Island State School for the Deaf	1877	Anna M. Black		6	5	15	21		34	
63	Cedar Springs, S. C	South Carolina Institution for the Education of the Deaf and Dumb and Blind.	1819	N. F. Walker	2	3	2	42	38		17	
64	Knoxville, Tenn	Tennessee School for Deaf and Dumb *	1845	Thomas L. Moses								
65	Austin, Tex	Institute for the Deaf and Dumb and Blind Colored	1887	W. H. Holland	4	3	1	87	64		13	
						2		22	7			

From American Annals of the Deaf, 1889.

\*Statistics of 1887-88.

Statistics of institutions for the deaf for 1888-89.—Part I.—Continued.

	Post-office address.	Name.	Year of first opening.	Superintendent or principal.	Instructors.			Pupils.				Articulation.	Articulation.	Articulation.
					Male.	Female.	Articulation and lip-reading.	Male.	Female.	Kindergarten.	Articulation.			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
66	Austin, Tex.	Texas Deaf and Dumb Asylum.	1857	W. A. Kendall	7	5	1	97	65	.....	38	.....	.....	.....
67	Salt Lake City, Utah	Utah Deaf-Mute Institution.	1884	Frank W. McTealf	2	1	1	20	15	.....	6	.....	.....	.....
68	Staunton, Va.	Virginia Institution for the Education of the Deaf and Dumb and of the Blind.	1839	Thomas S. Doyle	7	3	1	43	47	.....	23	.....	.....	.....
69	Vancouver, Wash.	Washington School for Defective Youth.	1886	James Watson	2	1	2	15	11	.....	8	.....	5	.....
70	Romney, W. Va.	West Virginia School for the Deaf and the Blind.	1870	C. H. Hill	3	2	1	31	22	.....	26	.....	.....	.....
71	Delavan, Wis.	Wisconsin School for the Deaf.	1852	John W. Swiler	9	9	2	169	90	32	45	.....	.....	.....
72	La Crosse, Wis.	Oral Department of Public Schools.	1887	Viola Taylor	.....	.....	1	7	1	1	8	.....	.....	.....
73	Milwaukee, Wis.	Milwaukee Day School for the Deaf.	1883	Paul Binner	1	6	7	28	13	.....	41	.....	7	.....
74	St. Francis, Wis.	St. John's Catholic Deaf-Mute Institute	1876	Rev. M. M. Gerend	2	1	2	16	11	0	13	.....	4	.....



Statistics of institutions for the deaf for 1888-89—Part II.

Name.	Gradi- ates in 1888-89.	Volumes in Library.	Receipts.			Expenditures.		
			Appropri- ation.	For bene- ficiaries.	Other sources.	Buildings, etc.	Salaries.	Other purposes.
2	13	14	15	16	17	18	19	20
1 Alabama Institution for the Deaf		600	\$17,900			\$15,000	\$6,000	
2 Arkansas Deaf-Mute Institute	2	472	8,980	\$13,625	\$720	325	9,220	\$9,825
3 Institution for the Deaf and Dumb and the Blind	10	1,450	44,750		6953		225,367	222,868
4 Colorado Institution for Deaf and the Blind	3	500	25,638			21,476	29,279	214,903
5 American Asylum for the Deaf and Dumb	11	2,000						
6 Whipple Home School for the Deaf			4,375					
7 Dakota School for Deaf-Mutes	1	160	33,000			800		
8 Columbia Institution for the Deaf and Dumb	11	3,500	55,000		7,437	3,904	31,550	26,447
9 Florida Institute for the Deaf and the Blind		1,200	25,000			4,500	(25,000)	
10 Georgia Institution for the Deaf and Dumb*			19,500				6,825	8,765
11 Chicago Day School for the Deaf		100					(4,054)	
12 Epiphania School for the Deaf	0	160						
13 Chicago Voice and Hearing School for the Deaf	7	10,200	105,000		9,000	4,070	40,000	65,000
14 Illinois Institution for the Education of the Deaf and Dumb	3		1,800				1,600	
15 Evansville School for the Deaf	6	3,768	108,000			9,903	28,491	29,507
16 Indiana Institution for the Education of the Deaf and Dumb		610	25,300			18,000		
17 Iowa Institution for the Deaf and Dumb								
18 Eastern Iowa School for the Deaf	7	250	46,000			25,000	(46,000)	
19 Kansas Institution for the Education of the Deaf and Dumb	3	1,650	36,437			5,535	10,760	22,637
20 Kentucky Institution for the Education of the Deaf and Dumb		150	9,000				4,500	4,500
21 Louisiana Institution for the Deaf and the Dumb and the Blind	1	0			0	0	675	
22 New Orleans School for the Deaf			1,000	4,400				
23 Portland School for the Deaf			27,000	21,520			23,593	22,917
24 Maryland School for the Colored Blind and Deaf-Mutes*								
25 Mr. Knapp's Institute*			25,000				7,098	17,398
26 Maryland School for the Deaf and Dumb	5	2,200		2,000				
27 New England Industrial School for Deaf-Mutes	0	433						
28 Horace Mann School for the Deaf	4	1,400		14,253	21,716	4,183	12,617	18,271
29 Clarke Institution for Deaf-Mutes			0	0				
30 Sarah Fuller Home for Little Children who can not Hear	24		57,000				20,451	30,549
31 Michigan School for the Deaf	7	350			5,300	400	2,000	1,320
32 Evangelical Lutheran Deaf and Dumb Institution	9	1,300	34,000	1,200		1,000	18,000	15,000
33 Minnesota School for the Deaf								
34 Institute for Deaf-Mutes		500	67,250			500	6,252	5,223
35 Institution for the Education of the Deaf		11,751				74,000	12,250	93,000
36 Institution for the Education of the Deaf and Dumb								
37 St. Joseph's Deaf-Mute Institute								
38 Maria Consilia Institute for the Deaf	0	100	0	0		20,000		
39 St. Louis Day School for the Deaf								

\*Statistics of 1887-88.

a Includes department for the blind.

b From American Annals of the Deaf, 1889.

Statistics of institutions for the deaf for 1888-89—Part II—Continued.

Name.	Graduates in 1888-89.	Volumes in library.	Receipts.			Expenditures.		
			Appropriation.	For beneficiaries.	Other sources.	Buildings, etc.	Salaries.	Other purposes.
2	13	14	15	16	17	18	19	20
Nebraska Institution for the Deaf and Dumb.....	3	543	\$32,000	.....	.....	.....	\$15,000	\$16,000
New Jersey School for Deaf-Mutes.....	.....	33,440	33,440	.....	.....	.....	(33,440)	498
School for the Deaf and Dumb at Santa Fé, N. Mex.....	40	.....	612	.....	\$400	.....	520	.....
Albany Home School for the Deaf.....	.....	.....	.....	.....	.....	.....	.....	.....
Le Contoux St. Mary's Institution for the Improved Instruction of Deaf-Mutes.....	23	650	18,685	\$7,341	3,507	.....	12,574	16,786
St. Joseph's Institute for the Improved Instruction of Deaf-Mutes.....	.....	650	66,561	.....	52,530	\$47,987	19,338	51,036
Northern New York Institution for Deaf-Mutes.....	.....	.....	.....	(35,127)	.....	14,200	6,200	14,927
Institution for the Improved Instruction of Deaf-Mutes.....	30	800	.....	2,202	2,202	2,179	22,431	27,622
New York Institution for the Instruction of the Deaf and Dumb*.....	.....	.....	(94,564)	49,164	591	9,943	34,877	58,715
Miss Keeler's Articulation Class for Deaf-Mutes.....	0	40	.....	.....	.....	.....	.....	.....
Western New York Institution for Deaf-Mutes.....	11	12,000	44,760	1,757	1,757	20,828	15,951	27,847
Central New York Institution for Deaf-Mutes.....	.....	.....	41,235	11,846	9,151	21,623	20,075	19,975
North Carolina Institution for the Deaf and Dumb and the Blind.....	21,500	.....	637,000	.....	.....	.....	4,450	.....
Cathedral School for the Deaf.....	.....	.....	.....	.....	.....	.....	.....	.....
Day School for Deaf-Mutes.....	.....	.....	.....	.....	48	.....	1,900	.....
Oral School for the Deaf.....	0	.....	1,430	.....	100	.....	1,500	30
Springer Institute.....	.....	.....	.....	.....	.....	.....	.....	.....
Ohio Institution for the Education of the Deaf and Dumb.....	12	2,100	.....	.....	.....	4,000	21,000	55,000
Oregon School for Deaf-Mutes.....	.....	.....	7,000	0	.....	.....	3,200	4,000
Pennsylvania Institution for the Deaf and Dumb.....	42	6,250	96,000	.....	19,000	5,427	40,005	56,472
Pennsylvania Oral School for the Deaf.....	.....	.....	.....	.....	.....	.....	.....	.....
Western Pennsylvania Institution for the Instruction of the Deaf and Dumb.....	12	425	50,050	.....	28,717	988	16,495	16,658
Rhode Island State School for the Deaf.....	350	350	4,000	.....	.....	.....	2,980	887
South Carolina Institution for the Education of the Deaf and Dumb and the Blind.....	2	600	.....	.....	.....	.....	.....	.....
Tennessee School for the Deaf and Dumb*.....	.....	.....	24,000	.....	.....	.....	.....	.....
Institute for the Deaf and Dumb and Blind Colored Youth.....	.....	.....	.....	.....	.....	560	(23,500)	.....
Texas Deaf and Dumb Asylum.....	5	750	.....	.....	.....	.....	.....	.....
Utah Deaf-Mute Institution.....	.....	.....	5,000	.....	.....	18,000	13,392	17,155
Virginia Institution for the Education of the Deaf and Dumb and of the Blind.....	5	.....	635,000	.....	6650	.....	(635,000)	.....
Washington School for Defective Youth.....	.....	.....	.....	6,000	.....	30,000	.....	.....
West Virginia School for the Deaf and the Blind.....	9	757	625,000	.....	.....	.....	11,620	12,699
Wisconsin School for the Deaf.....	4	1,500	40,000	.....	0	12,000	13,005	.....
Oral Department of Public Schools.....	.....	.....	650	.....	.....	.....	550	100
Milwaukee Day School for the Deaf.....	.....	65	.....	3,700	.....	5,000	3,970	.....
St. John's Catholic Deaf-Mute Institute.....	3	0	.....	.....	.....	.....	.....	.....

\* Statistics of 1887-88.

a Includes department for the blind.

Summary of statistics of institutions for the blind for 1888-89.

State.	Instructors.			Pupils.							Receipts.	Expenditures.	Number of volumes in library.			
	Male.	Female.	Total.	Music.	Male.	Female.	Total.	In vocal cul- ture.	In instrumen- tal music.	In tuning.				In kinder- garten.	Graduates in 1888-89.	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
United States.....	33	146	202	348	103	1,564	1,330	3,134	1,399	1,693	233	330	107	\$890,571	\$727,760	49,452
North Atlantic Division.....	4	37	59	96	38	{ 313	{ (240)	{ 816	366	509	106	139	47	339,190	238,967	19,040
Massachusetts.....	1	13	17	30	14	122	98	220	88	86	18	33	11	82,894	63,781	9,420
New York.....	2	11	27	38	14	{ 67	{ (240)	{ 366	140	215	60	56	4	131,718	122,279	5,120
Pennsylvania.....	1	13	15	28	10	124	106	230	138	208	28	50	32	124,578	52,907	4,500
South Atlantic Division.....	8	27	23	50	15	234	179	413	148	168	27	11	7	47,271	41,466	4,589
Maryland.....	2	7	6	13	4	56	50	106	62	53	13	9	3	31,740	26,336	1,432
Virginia.....	1	4	2	6	3	28	23	51	31	39	3	0	0	.....	.....	200
West Virginia.....	1	2	2	4	2	22	12	34	34	22	0	0	2	.....	.....	857
North Carolina.....	1	4	6	10	5	57	47	104	5	40	7	0	2	.....	.....	2,000
South Carolina.....	1	2	1	3	1	14	8	22	16	14	4	0	0	.....	.....	.....
Georgia.....	1	7	5	12	0	55	34	89	7	0	0	2	0	15,531	15,130	.....
Florida.....	1	1	1	2	.....	2	5	7	0	0	0	0	0	.....	.....	.....
South Central Division.....	8	23	36	59	17	313	272	585	341	307	35	66	24	169,218	115,361	8,785
Kentucky.....	1	4	7	11	4	54	40	94	94	60	7	25	13	25,370	23,884	2,300
Tennessee.....	1	2	6	8	1	46	43	89	86	80	7	15	6	18,000	.....	2,500
Alabama.....	1	4	2	6	2	30	20	50	50	30	2	0	.....	12,000	15,200	700
Mississippi.....	1	1	2	3	1	20	12	32	21	18	0	0	.....	3,400	3,600	715
Louisiana.....	1	2	3	5	1	11	7	18	8	14	0	0	.....	.....	.....	550
Texas.....	2	6	10	16	4	88	70	158	32	75	9	26	5	90,410	39,800	1,420
Arkansas.....	1	4	6	10	4	64	80	144	50	30	10	0	0	20,038	32,877	600
North Central Division.....	10	55	79	134	30	670	584	1,254	496	675	65	114	29	330,892	327,966	15,918
Ohio.....	1	8	13	21	9	170	129	299	21	195	34	40	9	56,000	56,998	4,000
Indiana.....	1	13	18	31	.....	77	67	144	.....	.....	.....	.....	.....	29,432	24,015	.....



Summary of statistics of institutions for the blind for 1888-89—Continued.

State.	Number of institu- tions.	Instructors.			Pupils.								Receipts.	Expenditures.	Number of volumes in library.	
		Male.	Female.	Total.	Music.	Male.	Female.	Total.	In vocal cul- ture.	In instrumen- tal music.	In tuning.	In kinder- garten.				Graduates in 1888-89.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
North Central Division—Continued.																
Illinois .....	1	6	9	15	5	91	74	165	30	100	7	0	4	\$12,605	\$43,034	1,911
Michigan .....	1	3	6	9	3	60	43	103	103	40	0	22	0	31,041	22,485	1,562
Wisconsin .....	1	3	8	17	2	50	40	90	75	63	2	14	0	23,600	19,800	2,340
Minnesota .....	1	3	5	8	3	31	26	57	12	0	0	0	3	12,996	12,996	0
Iowa .....	1	4	7	11	3	84	93	177	141	120	7	15	8	32,111	29,334	2,700
Missouri .....	1	5	4	9	3	40	47	87	25	64	12	23	5	27,790	26,320	1,780
Nebraska .....	1	4	2	6	.....	15	30	45	35	30	0	0	0	57,150	57,150	725
Kansas .....	1	0	7	7	2	52	35	87	54	54	3	0	.....	18,167	35,834	900
Western Division .....	3	4	5	9	3	34	32	66	48	39	0	0	0	4,000	4,000	1,120
Colorado .....	1	2	2	4	1	15	13	28	28	14	0	0	.....	.....	.....	700
Oregon .....	1	0	2	2	1	4	3	7	0	5	0	0	0	4,000	4,000	150
California .....	1	2	1	3	1	15	16	31	20	20	0	0	.....	.....	.....	270

Statistics of institutions for the blind for 1888-89—Part I.

Post-office address.	Name.	Year of first opening.	Instructors.		Pupils.							
			Male.	Female.	Music.	Male.	Female.	In kindergarten.	In vocal culture.	In instrumental music.	In tuning.	
1	2	3	4	5	6	7	8	9	10	11	12	13
1 Talladega, Ala.....	Alabama Academy for the Blind.....	1888	J. H. Johnson, M. D.....	4	2	2	30	20	0	50	30	2
2 Little Rock, Ark.....	Arkansas School for the Blind.....	1889	John H. Dye, D. D.....	4	6	4	64	80	0	50	30	10
3 Berkeley, Cal.....	Institution for the Deaf and Dumb and Blind *.....	1860	W. Wilkinson.....	2	1	1	15	16	0	20	20	0
4 Colorado Springs, Colo.....	Colorado Institution for the Deaf and the Blind.....	1883	John E. Ray.....	2	2	1	15	13	0	28	14	0
5 St. Augustine, Fla.....	Florida Institute for the Deaf and the Blind.....	1885	Park Carroll.....	1	1	2	5	5	2	0	0	0
6 Macon, Ga.....	Georgia Academy for the Blind a.....	1852	W. D. Williams a.....	7	5	5	55	34	0	0	0	0
7 Jacksonville, Ill.....	Illinois Institution for the Education of the Blind.....	1849	William S. Phillips.....	6	9	5	91	74	0	30	100	7
8 Indianapolis, Ind.....	Indiana Institution for the Education of the Blind.....	1847	H. B. Jacobs.....	13	18	.....	677	667	.....	.....	.....	.....
9 Vinton, Iowa.....	Iowa College for the Blind.....	1852	T. F. McCune.....	4	7	3	84	93	15	141	120	7
10 Wyandotte, Kans.....	Kansas Institution for the Education of the Blind.*.....	1867	G. H. Miller.....	0	7	2	52	35	0	54	54	3
11 Louisville, Ky.....	Kentucky Institution for the Education of the Blind.....	1842	Benjamin B. Hinton, A. M.....	4	7	4	54	40	25	94	60	7
12 Baton Rouge, La.....	Institution for the Deaf and Dumb and Blind ..	1871	Mrs. Mary S. Lane.....	2	3	1	11	7	0	8	14	.....
13 Baltimore, Md.....	Maryland School for the Blind.....	1853	Frederick D. Morrison.....	5	6	3	45	41	9	47	43	13
14 do.....	Maryland School for the Colored Blind and Deaf-Mutes.*.....	1872	do.....	2	.....	1	11	9	0	15	10	.....
15 Boston, Mass.....	Perkins Institution and Massachusetts School for the Blind.....	1832	M. Anagnos.....	13	17	14	122	98	33	68	86	18
16 Lansing, Mich.....	Michigan School for the Blind.....	1881	Geo. Barnes.....	3	6	3	60	43	22	103	49	.....
17 Faribault, Minn.....	Minnesota School for the Blind.....	1866	James J. Dow, A. M.....	3	5	3	31	26	12	.....	.....	.....
18 Jackson, Miss.....	Institution for the Instruction of the Blind.....	1852	M. M. Langley.....	1	2	1	20	12	.....	21	18	.....
19 St. Louis (1827 Morgan st.), Mo.....	Missouri School for the Blind.....	1851	John T. Sibley, A. M., M. D.....	5	4	3	40	47	23	25	64	12
20 Nebraska City, Nebr.....	Nebraska Institute for the Blind.....	1875	J. B. Parmelee.....	1	4	2	15	30	.....	35	30	0
21 Batavia, N. Y.....	New York State Institution for the Blind.....	1868	Arthur G. Clement, A. M.....	6	10	6	67	59	16	.....	90	10
22 New York, N. Y.....	New York Institution for the Blind.....	1831	Wm. B. Wait.....	5	17	8	.....	(240)	40	140	125	50
23 Raleigh, N. C.....	North Carolina Institution for the Deaf and Dumb and the Blind.....	1845	W. J. Young.....	4	6	5	57	47	.....	5	40	7
24 Columbus, Ohio.....	Ohio Institution for the Education of the Blind.....	1835	C. H. Miller.....	8	13	9	170	129	40	21	195	34

a From Annual Report, 1887-88.      b From Annual Report.

\* Statistics of 1887-88.

Statistics of institutions for the blind for 1888-89—Part I—Continued.

Post-office address.	Name.	Year of first opening	Superintendent or principal.	Instructors.			Pupils.					
				Male.	Female.	Music.	Male.	Female.	In kindergarten.	In vocal culture.	In instrumental music.	In tuning.
1	2	3	4	5	6	7	8	9	10	11	12	13
25 Salem, Oregon.....	Oregon Institute for the Blind.....	1873	D. B. Gray.....	.....	2	1	4	3	.....	.....	5	.....
26 Philadelphia, Pa.....	Pennsylvania Institution for the Instruction of the Blind.....	1833	Frank Batties.....	13	15	10	124	106	50	138	208	28
27 Cedar Springs, S. C.....	South Carolina Institution for the Education of the Deaf and Dumb and the Blind.....	1849	N. F. Walker.....	2	1	1	14	8	.....	16	14	4
28 Nashville, Tenn.....	Tennessee School for the Blind.....	1844	Sammel Albert Link.....	2	6	1	46	43	15	86	80	7
29 Austin, Tex.....	Texas Institution for the Blind.....	1856	Frank Rainey, M. D.....	5	9	4	78	60	26	12	69	9
30 .....do.....	Institution for the Deaf and Dumb and Blind Colored Youth.....	1887	W. H. Holland.....	1	1	.....	10	10	.....	20	6	.....
31 Staunton, Va.....	Virginia Institution for the Education of the Deaf and Dumb and the Blind.....	1835	Thomas S. Doyle.....	4	2	3	28	23	0	31	39	3
32 Romney, W. Va.....	West Virginia School for the Deaf and Blind.....	1870	C. H. Hill.....	2	2	2	22	12	0	34	22	.....
33 Janesville, Wis.....	Wisconsin School for the Blind.....	1850	Mrs. Sarah F. C. Little, M. A.....	9	8	2	50	40	14	75	63	2
34 Cheyenne, Wyo.....	School for Deaf and Blind <sup>a</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>a</sup> Not yet organized; no funds.



	Name.	Graduates in 1888-89.	Volumes in library.	Receipts.			Expenditures.		
				Appropriations.	For beneficiaries.	Other sources.	Building, etc.	Salaries.	Other purposes.
	2	14	15	16	17	18	19	20	21
1	Alabama Academy for the Blind.		700	\$12,000			\$11,000	\$3,000	
2	Arkansas School for the Blind.		600	13,424		\$614	2,514	10,000	\$20,363
3	Institution for the Deaf and Dumb and the Blind.	0	270	(a)	(a)	(a)	(a)	(a)	(a)
4	Colorado Institute for the Deaf and the Blind.	0	700	(a)	(a)	(a)	(a)	(a)	(a)
5	Florida Institute for the Deaf and the Blind.								
6	Georgia Academy for the Blind <i>a</i>			15,531				(15,130)	
7	Illinois Institution for the Education of the Blind.	4	1,911	37,952	\$1,645	3,008	5,814	10,016	27,204
8	Indiana Institution for the Education of the Blind <i>b</i>			27,000		2,432	(24,015)		
9	Iowa College for the Blind.	8	2,700	29,785		2,426			16,553
10	Kansas Institution for the Education of the Blind <i>c</i>		900	18,167			17,667	8,267	9,900
11	Kentucky Institution for the Education of the Blind.	13	2,300	25,145		225	1,141	7,222	15,521
12	Institution for the Deaf and Dumb and the Blind.	0							
13	Maryland School for the Blind.	3	1,432	25,800		5,940	3,855	6,863	15,615
14	Maryland School for the Colored Blind and Deaf Mutes.			(a)	(a)	(a)	(a)	(a)	(a)
15	Perkins Institution and Massachusetts School for the Blind.	11	9,420	30,000	18,735	34,159	10,675	21,585	31,521
16	Michigan School for the Blind.		1,562	29,130		1,911	144	8,380	13,751
17	Minnesota School for the Blind.	3		12,696				(12,996)	
18	Institution for the Instruction of the Blind.		715	3,400			500	3,100	
19	Missouri School for the Blind.		1,780	27,500	290	0	2,800	9,700	13,820
20	Nbraska Institute for the Blind.	5	1,725	57,150			46,200	4,200	6,753
21	New York State Institution for the Blind.	4	2,020	40,000	3,254	772	4,159	11,140	20,159
22	North Carolina Institution for the Deaf and Dumb and the Blind.		3,100	69,209		27,483	3,402	25,027	49,392
23	North Carolina Institution for the Deaf and Dumb and the Blind.	2	2,000	(a)	(a)	(a)	(a)		
24	Ohio Institution for the Education of the Blind.	9	4,000	56,000			1,800	12,488	42,710
25	Oregon Institute for the Blind.		150	4,000				2,000	2,000
26	Pennsylvania Institution for the Instruction of the Deaf and Dumb and the Blind.	32	4,500		48,000	76,578		(52,907)	
27	South Carolina Institution for the Education of the Deaf and Dumb and the Blind.								
28	Tennessee School for the Blind.			18,000					
29	Texas Institution for the Blind.	6	2,500	40,410			3,800	17,090	19,000
30	Institution for the Deaf and Dumb and the Blind Colored Youth.	5	1,420	50,000					
31	Virginia Institution for the Education of the Deaf and Dumb and the Blind.		200		(a)	(a)	(a)	(a)	(a)
32	West Virginia School for the Education of the Deaf and the Blind.	2	957		(a)	(a)	(a)	(a)	(a)
33	Wisconsin School for the Blind.	0	2,340	25,000				7,500	12,300
34	School for Deaf and Blind <i>d</i> .								

\* Statistics of 1887-88.

*a* See p. 1395.

*b* From Annual Report of 1887-88.

*c* From Annual Report.

*d* Not yet organized; no funds.

## II.—EDUCATION OF THE FEEBLE-MINDED.

## GENERAL REMARKS.

The first school for the care and training of the feeble-minded was opened by Dr. H. B. Wilbur in the village of Barre, Mass., in 1843. Soon after the opening of this school Dr. S. G. Howe, of the Perkins Institute for the Blind, opened a school at South Boston, Mass. New York was the next to establish a school, and Pennsylvania quickly followed. Since the establishment of the first institution 27 schools, public and private, have been opened, and nearly \$1,000,000 were expended the past year for their support.

In the plan of organization of the schools two departments are provided for—the educational and the custodial. The educational department embraces those receiving instruction not only in ordinary branches of a common school but also industrial occupations and manual labor. The custodial department has the care of those inmates to whom schoolroom exercises are considered unprofitable. An effort is made in this department to teach the pupils personal cleanliness and usefulness in domestic matters, and to break them of bad habits previously formed.

The question that arises in considering the usefulness of these schools is, can the feeble-minded be educated and trained so as to be self-supporting? It is not claimed by the friends of this class of defectives that the greater number of them can be made self-sustaining, but it is well established that many that have been sent from the institutions are leading useful lives and are not burdens to the community or to their friends.

Wherever adequate training has been given them the great majority of idiotic and feeble-minded children have been found susceptible of physical and mental improvement. It is therefore urged by all who are familiar with the facts that neither jails, nor county infirmaries, nor hospitals for the insane are suitable places for these unfortunates, but that institutions and homes as soon as possible be erected for those whose necessities demand such provision.

## THE NATIONAL CONFERENCE OF CHARITIES AND CORRECTION.

The report of the committee of the Fifteenth National Conference of Charities and Correction on this subject may be briefly summed up as follows: That from 10 to 20 per cent. of those who are trained in these institutions are so improved as to enter life as self-supporting; that from 30 to 40 per cent. are made self-helpful and much less burdensome to their people, and that one-half of the whole number will need custodial care throughout life.

Of the whole number of feeble-minded persons in the United States three-fifths are said to be distributed among the middle and poorer classes. The earliest efforts should be made toward the relief of this class of our population.

The committee earnestly urge the placing of the permanently disabled in the custodial departments in buildings sufficiently remote from the industrial and educational departments of the institutions, and that they be treated by the same merciful system as the inmates of the educational and industrial departments.

About one-sixth of the feeble-minded in the United States are in the schools and homes provided for them by public and private charity.

The following resolutions were adopted by the conference:

*“Resolved*, That the Conference of Charities and Correction assembled in Buffalo hereby urges on all the States where provision has not been made the early establishment of institutions for the feeble-minded as a prudential measure both humane and just.

*“Resolved*, That this conference commends the institutions already established for the careful inquiry they are making into the causes of mental infirmity, believing that by contributing to the literature of the subject they will aid in diminishing this afflictive burden to both family and community, and will make a valued return for the public moneys used in their erection and support.”

## NOTES FROM CATALOGUES, ETC.

*California Home for the Care and Training of Feeble-Minded Children, Santa Clara, Cal.*—The legislature at its last session appropriated funds for the purchase of a new site for the home. The committee has purchased a farm of 1,660 acres near the town of Glen Ellen, Sonoma County, Cal., for \$50,000.

*Kentucky Home for the Care and Training of the Feeble-Minded, Frankfort, Ky.*—We are sorry to learn of the total destruction by fire of this home. It occurred on May 3, 1889. We are very glad to learn that no lives were lost.

*Massachusetts School for the Feeble-Minded, South Boston, Mass.*—“We found it difficult to break away from the traditional and conventional form of institution building, which is the outgrowth of a theory that large numbers can be more cheaply



provided for in a single large building of three or four stories in height than in smaller and lower buildings. The fallacy of this theory has lately been demonstrated in a number of places, the most notable and successful instance within our knowledge being at the Willard Asylum for the Insane in New York. \* \* \*

"By a slow process of evolution and elimination the plans were worked out to the best of our ability, and were submitted for the approval of the governor and council, in accordance with law. \* \* \* They were approved, and we were permitted to expend \$60,000 in construction. Building has gone on during the summer, and now, as it is approaching completion, we are happy to say that it will be completed to the last detail, including boiler house, laundry, steam heating, and grading, within the sum approved."

*Minnesota School for Feeble-Minded, Faribault, Minn.*—The superintendent says: "In the school department, which comprises the school proper and the manual training feature, is centered the principal activity of the institution. The plan of training which we refer to as the coördinate system has been maintained—that is, individual children under instruction are occupied during short periods at a time only at one thing, and these periods alternate between the school and manual training rooms, in which the work is being conducted simultaneously. \* \* \*

"Constructive occupations are preëminently adapted to child training, as proven by the experience of kindergarten and manual training schools everywhere."

*The New Jersey State Institution for Feeble-Minded Women, Vineland, N. J.*—This is a new institution and appears in our tables for the first time.

"The managers consider themselves fortunate in having secured so desirable a property, and especially a building so well equipped for the immediate reception of inmates, there being accommodation at the present time for 20 feeble-minded women."

*The Garrison Home and Training School for the Feeble in Mind, Cranbury, N. J.*—During the past year this institution was established at Cranbury, N. J. It is a private home for the feeble in mind and is conducted by the Rev. C. F. Garrison.

*Haddonfield Training School for Girls Mentally Deficient or Peculiarly Backward, Haddonfield, N. J.*—This is a private institution; the number of its pupils is limited to ten. The managers feel assured of the success of the school.

*Nebraska Institution for Feeble-Minded Youth, Beatrice, Nebr.*—The superintendent in his report says: "The buildings, for which the last legislature made appropriations, have been completed. \* \* \* The building will be a great improvement on the present one in the way of convenient arrangement, as well as being much more pleasant. It is well ventilated, having separate vent flues and fresh-air flues for each room." \* \* \*

"The experience of older institutions of this kind is, that large tracts of land are not only a matter of economy, the farm products largely supplying the institution, thus greatly lessening the cost of maintenance, but are also of great usefulness in the training and physical development of the children, agricultural pursuits being particularly adapted to persons of this class. Again, since the majority of the people of our State are engaged in farming, the pupils should be taught that which they will be able to follow under the direction of their parents when returned to their homes."

*Ohio Institution for Feeble-Minded Youth, Columbus, Ohio.*—The trustees of this institution have asked the legislature for an appropriation of \$100,000 for the purchase of suitable farming lands.

*Pennsylvania Training School for Feeble-Minded Children, Elwyn, Pa.*—Samuel A. Crozier, president, says: "Our free fund continues to invite the beneficent thought of the charitable; we gratefully acknowledge donations and bequests to this worthy object, amounting during the year to \$12,000, raising the invested fund at this day to \$101,000."

Superintendent's annual report; manual teachers; "With the beginning of the current year seven ladies were added to our corps of teachers, under the title 'manual trainers,' who, by their alternation with the school teachers, bring all the educable children of the school department under intelligent care and direction for fifteen hours out of the twenty-four. The whole staff is divided into two details, five and a quarter months each, the manual teachers of the first term being the school teachers of the second, and so alternately. I have long been of the opinion that neither the insane nor the feeble-minded should be under any less than the painstaking, continuous, and conscientious care of educated people; that long hours with illiterate, irresponsible people of the servant class is not promotive of cure or improvement. I am sure that one loud-spoken, uncouth, dictatorial attendant will do more harm to the nature of a child in the few hours that he or she may have it in care than can be eradicated by the best normal training, under the direct care of matron and teacher, during the other hours of the day."



*Remarks upon the tables.*

In presenting the statistics of the institutions for the care and training of the feeble-minded it appears that there has been a large increase in the number of schools, of pupils, and of teachers. Returns have been received from 26 institutions, an increase of 4 over last year. Four thousand seven hundred and eighty-four pupils are in the institutions at present, an increase of 463 over last year's report. The increase of instructors has kept pace with the increase of pupils. The number of instructors reported this year is 141, an increase of 19 over last year. The amount appropriated by the States for the public institutions is \$936,425, an increase of \$10,168.

Of the 26 institutions that have reported to this Bureau 15 are supported by States, 1 by a county, and 10 are private homes, which do not furnish any financial statistics to this Office. Eighteen have manual training and 16 have kindergartens. From four to five hours each day are spent in the schoolrooms. After the school hours the younger children are allowed to play and romp either in the play rooms or out of doors if the weather permits. The older ones, under competent instructors, are all given some useful employment, the males in the work shops or on the farm, the females at sewing or household duties.



Statistics of institutions for the feeble-minded for 1888-89—Part I.

Post-office address.	Name.	Year of first opening.	Superintendent or principal.	Instructors.		Pupils.					Industrial department.	
				Male.	Female.	Male.	Female.	In kindergarten.	Taught during year.	Music.		
1	2	3	4	5	6	7	8	9	10	11	12	13
1 Santa Clara, Cal.....	California Home for the Care and Training of Feeble-Minded Children.	1884	A. Edgar Osborne, M. D....	2	3	4	76	56	40	85	.....	.....
2 Lakeville, Conn.....	Connecticut School for Imbeciles.....	1858	G. H. Knight, M. D.....	.....	3	.....	86	58	27	70	38	.....
3 New London, Conn.....	Cavalry Cottage.....	1881	A. N. Williamson, M. D.....	1	1	.....	4	2	.....	2	.....	.....
4 Lincoln, Ill.....	Illinois Asylum for Feeble-Minded Children.....	1865	William B. Fish, M. D.....	5	5	10	297	197	.....	.....	.....	.....
5 Richmond, Ind.....	Indiana School for Feeble-Minded Youth.....	1879	Jno. G. Blake.....	1	9	13	142	140	25	282	.....	30
6 Glenwood, Iowa.....	Iowa Institution for Feeble-Minded Children.....	1876	F. M. Powell, M. D.....	1	11	6	(402)	.....	210	10	.....	50
7 Winfield, Kans.....	Kansas State Asylum for Idiots and Imbecile Youth.....	1881	C. K. Wiles, M. D.....	3	3	.....	(a103)	19	86	36	24	86
8 Frankford, Ky.....	Kentucky Institution for the Education and Training of Feeble-Minded Children.	1860	John Q. A. Stewart, M. D.....	5	4	.....	85	70	30	155	155	.....
9 Elliott City, Md.....	Font Hill Private Institution for Feeble-Minded Children.	1886	Samuel Jayne Fort, M. D.....	1	2	4	9	5	6	8	1	3
10 Amherst, Mass.....	Home School for Nervous and Delicate Children and Youth.	1881	Mrs. W. D. Herriek.....	1	2	1	12	4	4	13	3	3
11 Barre, Mass.....	Private Institution for the Education of Feeble-Minded Youth.	1848	{ George Brown, M. D..... } { Catharine Brown..... } Geo. A. Brown, M. D.....	.....	5	10	.....	.....	9	62	22	28
12 Fayette, Mass.....	Hillside School for Backward and Feeble Children.....	1870	Mesdames Knight and Green.	.....	2	6	6	5	.....	6	3	6
13 South Boston, Mass.....	Massachusetts School for the Feeble-Minded.....	1850	Walter E. Fernald, M. D.....	1	6	4	124	92	.....	80	0	110
14 Kalamazoo, Mich.....	Wilbur Home and School for the Feeble-Minded.....	1884	Dr. C. T. Wilbur.....	2	2	.....	24	10	30	34	34	34
15 Fairbault, Minn.....	Minnesota School for Feeble-Minded.....	1879	Dr. A. C. Rogers.....	.....	5	3	156	119	20	150	15	130
16 Beatrice, Nebr.....	Nebraska Institution for Feeble-Minded Youth.....	1887	J. T. Armstrong, M. D.....	.....	4	.....	42	56	22	.....	.....	3
17 Crawbury, N. J.....	Garrison Home and Training School for the Feeble in Mind.	1889	Rev. C. F. Garrison.....	1	1	1	1	3	.....	.....	.....	.....
18 Haddonfield, N. J.....	Haddonfield Training School for Girls.....	1883	Margaret Bancroft and Jennie Cox.	.....	3	2	1	7	3	7	7	7
19 Vineland, N. J.....	New Jersey State Institution for Feeble-Minded Women.	1888	Mary J. Dunlop, M. D.....	.....	1	.....	.....	24	.....	7	.....	.....
20 do.....	New Jersey Home for the Care and Education of Feeble-Minded Children.*	1888	Rev. S. O. Garrison.....	2	.....	.....	19	11	20	.....	3	.....
21 Amityville (Long Island), N. Y.....	Brunswick Home*.....	1888	Rev. O. F. Brown.....	1	1	.....	(27)	.....	.....	.....	.....	.....
22 Newark, N. Y.....	New York State Custodial Asylum for Feeble-Minded Women.	1878	W. L. Willett.....	.....	1	2.	(250)	.....	.....	20	25	.....
23 New York, N. Y.....	Seguin's Physiological School for Feeble-Minded Children.	1878	Mrs. Elsie M. Seguin.....	.....	5	.....	6	10	9	16	.....	.....
24 Syracuse, N. Y.....	New York State Asylum for Idiots.....	1851	James C. Carson, M. D.....	.....	10	9	260	258	25	20	21	165
25 Columbus, Ohio.....	Ohio Institution for Feeble-Minded Youth.....	1857	G. A. Doren, M. D.....	1	22	15	594	347	.....	468	276	148
26 Elwyn, Pa.....	Pennsylvania Institution for Feeble-Minded Children.....	1852	Isaac N. Kerlin, M. D.....	.....	12	19	(*654)	50	.....	.....	.....	3

\*Statistics of 1887-88.

a Number present June 1, 1889.



Statistics of institutions for the feeble-minded for 1888-89—Part II.

Name.	Dis- missed in 1888-89.	Volumes in library.	Receipts.			Expenditures.		
			Appropria- tions.	For bene- ficiaries.	Other sources.	Building, etc.	Salaries.	Other purposes.
2	14	15	16	17	18	19	20	21
1 California Home for the Care and Training of Feeble-Minded Children.....	10	.....	\$31,267	0	\$3,294	\$4,601	\$12,354	\$14,492
2 Connecticut School for Imbeciles.....	15	.....	.....	\$11,007	16,423	.....	10,057	17,372
3 Caryville Cottage.....	1	200	.....	.....	4,000	.....	.....	3,000
4 Illinois Asylum for Feeble-Minded Youth.....	77	.....	69,002	3,403	4,143	40,131	43,301	20,343
5 Indiana School for Feeble-Minded Children.....	.....	.....	36,000	.....	.....	.....	.....	.....
6 Iowa Institution for Feeble-Minded Children.....	77	.....	.....	.....	.....	.....	.....	.....
7 Kansas State Asylum for Idiotic and Imbecile Youth.....	10	.....	20,000	.....	.....	.....	.....	.....
8 Kentucky Institution for the Education and Training of Feeble-Minded Children.	58	560	32,000	.....	1,600	34,000	2,540	16,634
9 Font Hill Private Institution for Feeble-Minded Children.....	1	200	.....	.....	.....	.....	.....	.....
10 Home School for Nervous and Delicate Children and Youth.....	1	.....	.....	.....	.....	.....	.....	.....
11 Private Institution for the Education of Feeble-Minded Youth.....	8	.....	0	.....	.....	300	800	.....
12 Hillside School for Backward and Feeble Children.....	.....	.....	.....	175	4,175	.....	.....	.....
13 Massachusetts School for the Feeble-Minded.....	23	400	25,000	.....	.....	.....	.....	.....
14 Wilbur Home and School for the Feeble-Minded.....	.....	.....	.....	.....	.....	.....	.....	.....
15 Minnesota School for Feeble-Minded.....	.....	.....	.....	.....	.....	.....	.....	.....
16 Nebraska Institution for Feeble-Minded Youth.....	4	50	50,000	.....	.....	46,000	.....	.....
17 Garrison Home and Training School for the Feeble in Mind.....	2	36	38,000	.....	.....	.....	.....	.....
18 Haddonfield Training School for Girls.....	1	500	.....	.....	.....	3,500	.....	.....
19 New Jersey State Institution for Feeble-Minded Women.....	4	250	0	0	0	.....	.....	.....
20 New Jersey Home for the Care and Education of Feeble-Minded Children.....	.....	.....	2,000	2,856	307	2,000	1,200	1,962
21 Brunswick Home.....	.....	50	.....	.....	.....	.....	.....	.....
22 New York State Custodial Asylum for Feeble-Minded Women.....	.....	.....	60,307	.....	.....	20,000	6,546	3,180
23 Seguin's Physiological School for Feeble-Minded.....	.....	.....	.....	.....	.....	.....	.....	.....
24 New York State Asylum for Idiots.....	41	330	102,340	8,147	4,403	32,000	26,088	62,717
25 Ohio Institution for Feeble-Minded Youth.....	.....	.....	181,570	15,313	2,061	.....	13,940	119,553
26 Pennsylvania Institution for Feeble-Minded Children.....	50	1,000	60,000	34,155	21,812	15,726	30,395	73,016

\* Statistics of 1887-88.

## III.—REFORM SCHOOLS.

*The cottage system.*—The term "family system" seems to be used as though it were a synonym for the expression, "cottage system." Thus, in answer to the inquiry, "Is your institution operated on the cottage system?" one school answers, "We have one family;" another, "The change to the family plan is now being made;" still a third, "No; but we have the family spirit." It is possible to consider the inmates of a large building having the usual assortment of stories and wings, as an overgrown family, and the building as an overgrown cottage; and it is also possible to conceive the inhabitants of such a building broken up into groups, just as a regiment is composed of companies. In both these instances the manner in which the family or families are organized is the main feature; but in the cottage system the distinguishing feature is in the isolation of the family by giving each a separate habitation. It would seem that the term "cottage system" may mean the organization of the family system, and something more.

Among the institutions reporting for the year under review, there are forty which give information in answer to the inquiry as to whether they had adopted the cottage system. Fifteen answer "yes," and eighteen "no." Three others give the responses noted in the preceding paragraph, and the others are introducing the cottage system.

*Movement of the population.*—Thirty-six schools, not including the Elmira State Reformatory for Men, report their population during the year, and also the number leaving during the same period. In these 36 schools there were 17,661 pupils enrolled, of whom 7,181, or 41 per cent. were disposed of or left the institutions under the following circumstances:

	Per cent.
Discharged at expiration of term.....	3,892 = 22
Placed out.....	1,870 = 11
Removed to other places of destination.....	271 = 1
Escaped and not captured.....	95 = 0.5
All others dismissed (in many cases the deaths have been included here).....	1,053 = 6
Total.....	7,181 40.5

*Receipts from public funds, etc.*—As far as reported the amount received from public funds is nearly \$2,000,000, though the reports are somewhat imperfect. This goes to show that from 85 to 90 per cent. of the means of support of reformatory institutions is received from the public treasury.<sup>1</sup> Of the amount received, \$357,708 were expended in building and improvements, and \$527,622 for salaries, 17 per cent. and 24 per cent., respectively, of the whole expenditure.

## Summary of Statistics of Reform Schools.

State.	Number of institutions.	Instructors.			Pupils.			Receipts.	Expenditures.
		Male.	Female.	Total.	Male.	Female.	Total.		
1	2	3	4	5	6	7	8	9	10
North Atlantic Division:									
Maine.....	1	7	8	15	149	0	149	\$23,998	\$23,998
New Hampshire.....	1	5	5	10	140	20	160	20,100	20,655
Vermont.....	1				105	16	121	16,637	15,848
Massachusetts.....	11	21	49	70	1,488	620	2,108	210,648	209,024
Rhode Island.....	1	11	12	23	200	0	200	30,669	31,717
Connecticut.....	1	17	11	28	646	0	646		
					(1,518)				
New York.....	6	137	63	200	3,569	494	5,581	871,391	705,935
New Jersey.....	3	17	19	36	679	97	776	37,750	25,246
Pennsylvania.....	2	88	67	155	1,580	389	1,969	220,793	223,894
Total.....	27	303	234	537	8,556	1,636	11,710	1,431,986	1,256,317
South Atlantic Division:									
Maryland.....	1	18	0	18	500	0	500		
District of Columbia.....	1	23	7	30	172	0	172	47,730	43,496
Total.....	2	41	7	48	672	0	672	47,730	43,496

<sup>1</sup> These figures are for the year 1888-89; the figures of the summary are, in some instances, for 1887-88.

State.	Number of institutions.	Instructors.			Pupils.			Receipts.	Expenditures.
		Male.	Female.	Total.	Male.	Female.	Total.		
1	2	3	4	5	6	7	8	9	10
South Central Division:									
Kentucky.....	1	0	20	20	0	86	86		
Louisiana.....	1	0	0	0	253	0	253	\$20,000	\$9,780
Total.....	2	0	20	20	253	86	339	20,000	9,780
North Central Division:									
Ohio.....	2	16	30	46	1,262	132	1,394	137,894	132,321
Indiana.....	2	20	23	43	698	199	897	103,007	90,000
Illinois.....	1	13	12	25	0	160	160		
Michigan.....	4	57	28	85	1,675	374	2,049	168,014	204,228
Wisconsin.....	2	55	152	207	540	183	723	107,997	108,147
Minnesota.....	1	1	4	5	270	39	309	48,680	48,654
Iowa.....	1	3	8	11	0	125	125	(a)	(a)
Missouri.....	1	4	3	7	(242)		242	41,000	41,000
Dakota.....	1	6	6	12	41	16	57	5,500	15,000
Nebraska.....	1	14	7	21	249	0	249	101,989	112,689
Kansas.....	1	3	2	5	257	0	257	37,500	35,632
Total.....	17	192	275	467	4,992	1,228	6,462	751,581	787,671
Western Division:									
Colorado.....	1	5	0	5	220	24	244	33,000	37,980
California.....	1	3	3	6	274	89	363	38,000	37,689
Total.....	2	8	3	11	494	113	607	71,000	75,669
SUMMARY.									
North Atlantic Division.....	27	393	234	537	(1,516) 8,556	1,636	11,710	1,431,986	1,256,317
South Atlantic Division.....	2	41	7	48	672	0	672	47,730	43,496
South Central Division.....	2	0	20	20	253	86	339	20,000	9,780
North Central Division.....	17	192	275	467	(242) 4,992	1,228	6,462	751,581	787,671
Western Division.....	2	8	3	11	494	113	607	71,000	75,669
Total.....	50	544	539	1,083	(1,760) 14,967	3,063	19,790	2,322,297	2,172,933

a For two years.



Statistics of reform schools for 1888-89.

Post-office address.	Name.	Year of first opening.	Superintendent.	Instructors.		Pupils.		Receipts.		Expenditures.		
				Male.	Female.	Male.	Female.	State, county or municipal.	Other sources.	Buildings, etc.	Salaries.	Other purposes.
1	2	3	4	5	6	7	8	9	10	11	12	13
1 San Francisco, Cal.	Industrial School <sup>4</sup> .....	1859	J. W. Silk.....	3	3	274	89	\$38,000	.....	\$1,120	\$14,613	\$21,956
2 Golden, Colo.	State Industrial School.....	1880	D. R. Hatch.....	5	0	220	24	30,000	\$3,000	7,000	9,180	21,800
3 Meriden, Conn.	State Reform School.....	1833	George B. Howe.....	17	11	616	0	.....	.....	.....	.....	.....
4 Plankinton, S. Dak.	Dakota Reform School.....	1889	C. W. Amworth.....	6	6	41	16	5,560	.....	.....	4,500	10,500
5 Washington, D. C.	Reform School, D. C.....	1870	George A. Shallenberger.....	23	7	172	.....	44,586	3,143	5,000	12,586	25,900
6 South Evansston, Ill.	Illinois Industrial School for Girls.....	1878	Miss Sarah F. Keely.....	13	12	0	100	.....	.....	.....	.....	.....
7 Indianapolis, Ind.	Reform School for Girls and Woman's Prison.....	1873	.....	0	11	0	199	30,000	13,007	2,107	7,887	19,946
8 Plainfield, Ind.	Indiana Reform School for Boys.....	1868	T. J. Charlton.....	20	12	698	0	.....	60,000	3,244	15,077	41,679
9 Mitchellville, Iowa.	Lowa Industrial School, Girls Department.....	1874	C. C. Cory.....	3	8	0	125	647,000	.....	113,000	67,750	67,250
10 Topeka, Kans.	Kansas State Reform School.....	1881	J. F. Buck.....	3	2	257	0	37,500	.....	.....	11,529	24,103
11 Newport, Ky.	Convent of the Good Shepherd.....	1866	Mother Matron of St. Scholastica.....	0	29	0	86	.....	.....	.....	.....	.....
12 New Orleans, La.	Boy's House of Refuge <sup>4</sup> .....	1843	W. C. Stannton.....	1	.....	253	.....	10,000	10,000	.....	3,780	6,000
13 Portland, Me.	State Reform School.....	1853	J. R. Farrington.....	7	8	149	0	20,246	3,752	5,516	6,528	11,953
14 Carroll, Md.	St. Mary's Industrial School for Boys.....	1866	Brother Dominic.....	18	0	500	0	35,000	11,115	13,916	8,882	18,223
15 Boston, Mass.	Marcella Street Home.....	1877	Alfred B. Heath, M. D.....	2	6	492	291	52,471	0	2,848	12,800	36,733
16 do.	Truant School <sup>4</sup> .....	1869	John G. Whiton.....	2	0	86	0	.....	.....	.....	.....	.....
17 Lawrence, Mass.	Lawrence Industrial School.....	1874	Robert B. Eisk.....	0	1	48	0	2,500	3,730	272	2,234	3,645
18 Lancaster, Mass.	State Industrial School for Girls.....	1856	L. L. Brackett.....	0	3	0	164	22,053	622	2,727	8,074	11,252
19 Lowell, Mass.	Lowell Reform School.....	1851	Albert Pindar.....	2	0	101	1	.....	.....	.....	1,700	1,906
20 New Bedford, Mass.	New Bedford Truant School.....	1873	P. S. Macy.....	1	18	0	0	.....	.....	.....	400	.....
21 North Cambridge, Mass.	Cambridge Truant School.....	1854	Martin L. Eldridge.....	1	0	25	0	.....	280	.....	.....	.....
22 Palmer, Mass.	Massachusetts State Primary School.....	1866	Amos Andrews.....	1	12	379	164	59,000	138	1,562	17,671	36,119
23 Salem, Mass.	Plummer Farm School.....	1870	Charles A. Johnson.....	2	3	42	0	.....	7,500	.....	2,200	3,800
24 Westborough, Mass.	Lynan School for Boys.....	1848	T. F. Chapin.....	11	22	255	0	59,300	.....	22,000	15,000	22,300
25 Worcester, Mass.	Worcester Truant School.....	1863	R. F. Parkhurst.....	0	1	42	0	3,084	.....	.....	331	2,764
26 Adrian, Mich.	State Industrial Home for Girls.....	1879	Miss Margaret Scott.....	0	25	0	299	35,751	3,486	16,153	13,217	24,745
27 Detroit, Mich.	Detroit House of Correction.....	1862	Joseph Nicholson.....	1	1	90	75	.....	.....	.....	.....	.....
28 Ionia, Mich.	State House of Correction and Reformatory.....	1877	E. C. Watkins.....	47	1	874	0	61,000	.....	4,000	24,000	57,000

29	Lausling, Mich.	Reform School	1855	Cornelius A. Gown	9	2	711	0	32,500	15,277	684	19,516	44,913
30	St. Paul, Minn.	Minnesota State Reform School*	1868	J. W. Brown	1	4	270	39	42,000	6,680	6,362	13,551	28,741
31	St. Louis, Mo.	House of Refuge*	1854	John D. Schaffer	4	3	(6242)	0	101,989	0	60,000	13,000	28,000
32	Kearney, Nebr.	State Industrial School for Juvenile Offenders.	1881	John T. Mallatieu	14	7	249	0	101,989	0	60,000	10,700	41,989
33	Manchester, N. H.	State Industrial School.	1857	J. C. Ray	5	5	140	20	6,000	14,100	1,489	5,166	14,000
34	Jamesburgh, N. J.	New Jersey State Reform School for Boys.	1867	Ira Otterson	15	10	455	0	10,000	2,750	491	2,996	4,317
35	Trenton, N. J.	State Industrial School for Girls	1871	Mrs. S. R. McFadden	1	5	0	73	10,000	6,000	4,528	6,195	14,523
36	Verona, N. J.	Newark City Home*	1874	C. M. Harrison	2	4	214	24	25,000	6,000	11,200	10,000	6,200
37	Brooklyn, N. Y.	Brooklyn Truant Home	1856	Patrick H. Corrigan	2	0	212	0	135,000	23,925	42,835	31,497	100,723
38	Canaan Pond, Conn., N. Y.	Bumham Industrial Farm	1887	W. M. F. Round	6	3	36	0	117,201	12,984	46,315	29,110	93,478
39	Elmira, N. Y.	New York State Reformatory	1876	Z. R. Brockway	30	0	1204	0	169,170	277,061	653,307	17,840	140,413
40	New York (Station MD), N. Y.	New York Juvenile Asylum	1851	Elisha M. Carpenter	17	38	1242	350	40,736	15,963	6,392	17,317	26,255
41	Harlem (Station L), N. Y.	House of Refuge, Rantall's Island	1825	Israel C. Jones	29	22	875	144	64,545	16,650	7,500	23,236	51,321
42	West Chester, N. Y.	The New York Catholic Protectory	1863	Brother Leonthe	53	0	(1518)	132	22,768	50,562	4,823	21,462	50,384
43	Cincinnati, Ohio	Cincinnati House of Refuge	1850	Henry Oliver	16	19	412	850	97,000	50,463	5,145	41,182	100,607
44	Lancaster, Ohio	Boys' Industrial School*	1854	Charles Douglass	11	11	850	113	24,000	6,669	10,110	(15,848)	8,776
45	Morgantza, Pa.	Pennsylvania Reform School	1828	J. A. Quay	42	17	585	276	16,637	1,157	1,825	7,623	73,606
46	Philadelphia, Pa.	House of Refuge	1850	J. Hood Laverly	46	50	995	200	183	23,642	45,098	16,317	73,606
47	Howard, R. I.	Sockanosset School for Boys	1865	Franklin H. Nibecker	11	12	200	105	183	23,642	45,098	16,317	73,606
48	Vergennes, Vt.	Vermont Reform School*	1875	E. T. Healey	26	136	540	183	183	23,642	45,098	16,317	73,606
49	Milwaukee, Wis.	Wisconsin Industrial School for Girls	1855	Harriet Cecil Hunt	29	16	540	183	183	23,642	45,098	16,317	73,606
50	Waukesha, Wis.	Wisconsin Industrial School for Boys	1860	William H. Sleep	29	16	540	183	183	23,642	45,098	16,317	73,606

\* For 1887-88.

a For 1887-89.

b Number present June 1, 1888.

c For male department only.

## IV.—EDUCATION OF THE COLORED RACE.

## PUBLIC SCHOOLS.

The three tables following (Tables 1, 2, and 3) exhibit the statistics of the colored schools of the former slave States placed in juxtaposition with those of the white.

TABLE 1.—Colored school population and colored population, 6 to 14 years of age, in the former slave States compared with the white, mainly for 1889.

State.	Age of children enumerated.	Number enumerated.		Estimated population 6 to 14.		Per cent of total.	
		Colored.	White.	Colored.	White.	Colored.	White.
1	2	3	4	5	6	7	8
Alabama.....	7-21	226,925	295,766	164,410	214,330	<i>Per ct.</i> 43.4	<i>Per ct.</i> 56.6
Arkansas.....	6-21	106,300	297,665	78,220	219,080	26.3	73.7
Delaware.....	6-21	a7,070	a36,468	b5,485	b28,293	a16.2	a83.8
District of Columbia.....	c6-17	b18,200	b33,300	13,720	25,100	35.3	64.7
Florida.....	6-21	b52,855	b60,782	41,860	48,130	46.5	53.5
Georgia b.....	6-18	267,657	292,624	186,031	203,381	47.8	52.2
Kentucky.....	6-20	b109,158	b555,809	70,150	357,220	16.4	83.6
Louisiana b.....	6-18	d176,097	d160,040	132,134	120,085	52.4	47.6
Maryland.....	5-20	e68,409	e226,806	47,540	157,560	23.2	76.8
Mississippi.....	5-21	f273,528	f190,436	179,233	124,753	f59.0	f41.0
Missouri.....	6-20	48,478	816,886	30,600	515,600	5.6	94.4
North Carolina b.....	6-21	216,837	363,982	142,600	239,150	37.4	62.6
South Carolina.....	6-16	e180,475	e101,189	165,933	93,029	e64.1	e35.9
Tennessee b.....	6-21	162,834	489,674	102,600	308,400	25.0	75.0
Texas.....	8-16	139,939	405,677	157,400	456,300	25.6	74.4
Virginia.....	5-21	g265,347	g345,024	167,367	217,703	g43.5	g56.5
West Virginia.....	6-21	10,497	248,437	6,840	161,790	4.1	95.9
Total.....				1,692,123	3,489,904	32.7	67.3

a In 1886.

b In 1888.

c Inclusive.

d Estimated.

e U. S. Census of 1880.

f In 1887.

g In 1885.

TABLE 2.—Enrollment and average attendance in colored public schools, compared with white, mainly for 1888-89.

State.	Number of pupils enrolled.		Per cent. of total enrollment.		Number of pupils enrolled to every 100 children 6 to 14.		Average daily attendance.		Ratio of average attendance to enrollment.	
	Colored.	White.	Colored.	W'te.	Colored.	W'te.	Colored.	White.	Colored.	W'te.
1	2	3	4	5	6	7	8	9	10	11
Alabama.....	105,106	165,098	38.9	61.1	64	77	69,273	102,828	65.9	62.3
Arkansas.....	56,382	150,770	26.1	73.9	72	73				
Delaware a.....	4,587	27,965	14.1	85.9	84	99	2,017	19,254	44.0	68.9
District of Columbia.....	13,004	22,760	36.3	63.7	95	91	8,597	19,022	77.0	77.3
Florida.....	34,008	52,000	39.5	60.5	81	108				
Georgia b.....	120,390	200,786	37.5	62.5	65	99				
Kentucky.....	42,526	288,460	12.8	87.2	61	81	28,833	193,721	67.8	67.2
Louisiana b.....	51,539	74,024	41.0	59.0	39	62	37,656	52,895	73.1	71.5
Maryland.....	34,072	145,388	19.0	81.0	72	92	15,227	83,993	44.7	57.8
Mississippi.....	172,338	147,373	53.9	46.1	96	118	102,708	90,411	59.6	61.3
Missouri.....	32,168	579,373	5.3	94.7	105	112				
North Carolina a.....	125,844	211,498	37.3	62.7	83	88	75,230	133,427	59.8	63.1
South Carolina.....	104,503	89,761	53.8	46.2	63	96	c69,892	c59,357	66.9	66.1
Tennessee a.....	94,435	342,089	21.6	78.4	92	111	64,711	244,258	68.5	71.4
Texas d.....	96,809	231,958	25.6	74.4	62	62				
Virginia.....	119,172	217,776	35.4	64.6	71	100	65,618	129,907	55.0	59.6
West Virginia.....	6,209	181,319	3.3	96.7	91	112	3,589	116,401	57.8	64.2
Total.....	1,213,092	3,187,408	27.6	72.4	72	91			e62.3	e65.0

a In 1887-88.

b In 1888.

c There were also 7,109 not classified according to race.

d A few counties not reporting are estimated.

e Includes only the States tabulated in the same column above.



TABLE 3.—Length of school term, and number of teachers, with their monthly salaries, in colored and white schools, mainly for 1888-89.

State.	Average number of days the public schools were kept.		Number of teachers in colored schools.	Average monthly salaries of teachers.	
	Colored.	White.		Colored.	White.
1	2	3	4	5	6
Alabama.....	75½	75½	1,968	\$22.33	\$23.15
Arkansas.....			21,500	38.00	46.25
Delaware <i>b</i> .....	117	168	84		
District of Columbia.....	179	182	202		
Florida.....	150	150	700		
Georgia <i>c</i> .....			21,987		
Kentucky.....	93	94	1,200	38.78	34.58
Louisiana <i>c</i> .....	91	95	730	33.00	27.50
Maryland.....	172	190	590		
Mississippi.....	291	291	3,007	24.28	34.93
Missouri.....			683		
North Carolina <i>b</i> .....	61.5	64	2,617	21.84	24.62
South Carolina.....			1,622		
Tennessee <i>b</i> .....			1,564		
Texas.....			2,278		
Virginia.....			1,951		
West Virginia.....			180		
Total.....	789.2	798.6	22,956	27.35	32.74

*a* Approximately.*b* In 1887-88.*c* In 1888.*d* Number of colored schools, excluding those in cities under local laws.*e* County schools only.*f* Includes only the States tabulated in the same column above.*Remarks upon the tables.*

*Number of colored children in the schools.*—It will be seen that, taking all the above States together, the colored children form 32.7 per cent., or a trifle less than one-third of the total school population 6 to 14 years of age, while the colored pupils form only 27.6 per cent., or little more than one-fourth of the total enrollment; *i. e.*, the colored population supplies considerably less than its due proportion of pupils to the public schools. This is the case in each of the States individually, with the exception of North Carolina and Texas, where the proportion of children and of school enrollment is about the same, and the District of Columbia, where the proportion of colored children is 35.3 per cent. and of colored pupils 36.3 per cent.

Looking at the actual number of pupils enrolled for each 100 children of 6 to 14 years of age (columns 6 and 7, Table 2) it is found to be seventy-two for the colored population and ninety-one for the white, a decided difference; and if the number of white children receiving an education outside of the public schools could be taken into consideration a still greater discrepancy would appear.

*Regularity of attendance.*—Not only are there fewer colored pupils than white enrolled in proportion to the number of children, but the regularity of attendance of colored pupils is less than the white. The summaries of columns 10 and 11, Table 2, show that out of every one hundred colored pupils enrolled 62.3 on an average attend each day; and out of a like number of white pupils 65 attend each day on an average. This is not a very great difference, however, and under all the circumstances may be considered a satisfactory relative showing. In Alabama, Kentucky, Louisiana, and South Carolina the regularity of the colored pupils exceeds that of the white.

*Length of school term.*—The colored schools are kept an average of 89.2 days in the nine States which furnish the necessary data for determining this item, and the white schools an average of 98.6 days (columns 2 and 3, Table 3). Delaware furnishes a large part of this difference, due to the colored people being left mainly to their own resources in that State. In Maryland, also, there is a considerable difference in the length of the school terms. Outside of these two States the difference is trifling.

*Teachers' wages.*—The average of the monthly wages of colored teachers in six States reporting this item is \$27.35; of white teachers, \$32.74 (columns 5 and 6, Table 3). This difference may be considered to proceed in part from the circumstance that among the white teachers there are a greater proportional number in the higher and better-paid grades than among the colored, thus raising their average.

In Kentucky the average wages of the colored teachers exceed that of the white. This results from the colored districts being larger than the white districts, containing more children, and therefore drawing more of the State money, which is applied exclusively to the payment of the district teacher.

#### THE SOURCES OF SUPPORT OF COLORED PUBLIC SCHOOLS.

In all the former slave States, except Delaware and Maryland, the annual State school revenue is apportioned impartially among all the children of the State without regard to color, so much per capita to each child. In Maryland the State school tax is apportioned among the white schools only, but a special appropriation is made from the State Treasury for the colored schools, sufficient to make the colored per capita of State moneys practically equal to that of the white. For the year 1888-89 the colored schools of Maryland received about \$100,000 from this source.

Now, as to local funds. Throughout the rural districts of the South the colored people are dependent chiefly upon this State apportionment, which is by law devoted mainly, if not exclusively, to the payment of teachers' salaries. Any additional sum required for building, repairs, fuel, or incidental expenses, or for lengthening the short school term which the State apportionment can only afford, must be raised by themselves. In the larger and more progressive cities, on the other hand, the city appropriation for schools is general, and is allotted to the various public schools, white and colored, according to the needs of each, in the judgment of the local school authorities. The State of Kentucky, however, has enacted that no white person shall be (locally) taxed for the support of a colored school, or *vice versa*. In that State the colored schools have their own trustees and district boundaries, forming an absolutely distinct system.

It is difficult, as a general thing, to determine the amounts expended for white and colored schools in cities, as these sums are not reported separately. The following instances, however, may be noted:

Richmond, Va., received from the State in 1887-88 the sum of \$28,855, of which the colored share, according to school population, was about \$12,000; yet the city paid to colored teachers, not including principals, that year \$33,513, the excess (amounting to over \$20,000), coming from the general city appropriation, and this in addition to whatever amount was expended for colored buildings, etc.

Birmingham, Ala., received in 1888-89, from the State for its colored schools, and from colored poll taxes, \$2,092. It paid for colored teachers' salaries alone \$6,250, the excess being furnished by the city; so for Selma and some other cities of Alabama.

Wilmington, Del., in 1887-88 expended \$18,745 upon colored schools, of which about \$6,000 was for building. This amount apparently all came from the general funds of the city; at most, only an insignificant sum was received from any other source.

City Superintendent W. F. Slaton, of Atlanta, says (1889):

"The Gray Street school for colored children, built and equipped during the past year, is in my opinion the best schoolhouse in Atlanta. It was built on the most modern plan; wisely arranged in regard to the admission of light; furnished with Smead's system of heating and ventilating; furnished with Andrew's best desks; supplied with maps, charts, and other aids in teaching."

State Superintendent Pickett, of Kentucky, states in his report for 1888-89 that "the receipts and expenditures of the white and colored schools are not kept separate in a number of the cities," which would seem to indicate that the Kentucky law referred to above was not observed in those cities, but that the school funds were common to both races.

Delaware makes a more meager provision for the education of colored children than any other State. There the funds raised by taxation under the State law are not apportioned impartially to the children of the State; but the taxes levied upon each race are applied to the support of schools for their own children exclusively, so that the tax upon the real and personal property and poll of colored persons is "set apart as a separate and distinct fund for the support and maintenance of colored schools, and the white tax is reserved for the white schools."

Moreover, the proceeds of the State School Fund are appropriated to white schools exclusively. For the colored schools an appropriation is made direct from the State treasury. This appropriation for colored schools has been increased from \$2,400 in 1881 to about \$5,000 in 1888.

Both the taxes levied upon colored persons and the State appropriation for colored schools are paid over to the Treasurer of the African School Society, which society, under the law, distributes it among the colored schools of the State; and by an arrangement with the county superintendents much of the work of supervising the colored schools has been left in the hands of Mr. H. C. Conrad, treasurer and actuary of the African School Society.



The amount of money actually raised for the schools of each race in 1886 (the latest year available), together with the number of white and colored children, is as follows :

*Receipts of white and colored schools in Delaware in 1886.*

[From Delaware School Report, 1886, pp. 5, 7, and 57.]

	No. of children 6 to 21 years.	State appropriation.		School taxes.		Receipts.	
		Total.	Per capita.	Total.	Per capita.	Total.	Per capita.
White.....	36,468	\$60,607	\$1.63	\$185,994	\$5.10	\$246,001	\$6.76
Colored (excluding Wilmington) ...	5,750	4,656	.81	2,511	.44	7,167	1.25

The white schools thus received in appropriations and taxes more than five times as much per capita of the school population as the colored schools.

The total receipts, moreover, would allow an average of \$439 to each white school and \$104 to each colored school.

Regarding the status of the colored schools of Delaware, Superintendent L. I. Handy, of Kent County, says in his report:

"According to an understanding among the county superintendents, we have left much of the work of supervising negro schools in the hands of Mr. H. C. Conrad, of Wilmington. I have, however, devoted some personal attention to those schools in Kent County, as well as exercised a general supervision over them. On my round of visits to the white schools I have occasionally called at negro schools, and have found them in as good condition as could be expected under the circumstances. All that I have visited were entirely primary in their work. For a detailed report of these schools I must refer you to Mr. Conrad; but I desire to express the opinion that the law in regard to negro schools, passed at the last session of the legislature, and the money now appropriated by the State, are sufficient for present requirements. I say this, feeling a deep interest in the education of negro children, and appreciating the importance to the whole commonwealth of elevating in every possible way the negro race, which has been thrust into our midst by the hand of a ruthless past. It would be most unfortunate for the negro schools if they should become a bone of contention between the political parties. In advising that the present status be left unaltered at this time, I speak as a sincere friend of the negro schools. A system of good schools among the negroes can not be quickly created; it must grow. Although fully appreciating the services which Mr. Conrad has rendered the State by his labors in behalf of the negro schools, it is my intention, if the law remains unchanged and I continue in office another year, to relieve him of responsibility in regard to the negro schools of Kent County."

Where do the State funds come from? It has been stated above that in each of the Southern States, except Delaware and Maryland, the annual State fund is apportioned impartially among the white and colored children. It becomes desirable to know how much of these funds comes from colored sources. Unfortunately this is difficult to determine. The annual State fund in these States is derived in the main from the income of permanent funds, direct appropriations by the States, and taxes on property or polls, by far the major part of which, except poll taxes, would seem to come from the white population.

As regards North Carolina, State Superintendent S. M. Finger, in addressing the school officers, says: "But perhaps you say the negroes are in the way. \* \* \* Do you know that, including poll tax which they actually pay, fines, forfeitures, and penalties, the negroes furnish a large proportion of the money that is applied to their public schools?"

In 1882, Gustavus J. Orr, then State Superintendent of Georgia, undertook an elaborate investigation, in order to determine the exact truth in this matter, and reached a conclusion regarding that State similar to that indicated by Superintendent Finger for North Carolina. He found that out of \$151,000 paid to colored teachers by the State, \$145,000 might be considered as having been contributed, directly or indirectly, by the colored people. But he called attention to another feature of the question, which must be taken into consideration, viz, that the negroes furnished nothing else toward the payment of the public expenses; or, as Superintendent Orr expressed it: "The white people, who really hold all the power of the State government in all its departments, allowed the negroes for the support of their schools more than the whole amount paid by them for all purposes, and then took upon themselves all the other expenses of the Government." And again: "It is true that colored



people contribute nearly all of what is paid [by the State] for the education of their children, as has been already shown; but they are made to do this, as has also been shown, by so selecting the sources of school revenue as to put all that they pay into the school fund." It must be acknowledged that if a due proportion of the colored poll taxes, fines, etc., were applied to other (or general) objects, their school moneys would have to be supplemented by just so much from funds proceeding from the white people; and the State of Georgia, in relieving the colored people of these general public charges, virtually applies to their education to this extent funds raised from the whites.

In Kentucky there were collected from the colored people for State taxes in 1884-85, \$13,988; there were disbursed by the State for colored schools the same year \$137,851, leaving \$123,863 as the "amount paid by white taxpayers to equalize the per capita."

It may be stated in this connection that the same year (1884-85), the colored people raised in the "counties" in Kentucky, by local taxation and subscriptions, \$19,210, and in 1888-89, \$29,044, which may be taken as a measure of their ability and inclination to raise local funds, and of the progress they have made in these particulars.

State Superintendent J. Desha Pickett says, of their effort to supplement the funds of the State: "This is prime proof of intelligent interest and of genuine progress in their system of common schools. The colored people of the Commonwealth are wide awake under the beneficent provisions in the new order of things. \* \* \* Other proofs are presented of progress in the colored schools, which must certainly be a subject of congratulation to every thoughtful citizen of the Commonwealth, in view of the facts that the colored man is here to stay, and that the State is heavily taxed for his improvement." "That a race of people, descended a few generations back from serpent worshippers in the wilds of Africa, within less than a score of years after being freed, and out of a mass of illiterates hundreds of thousands strong, have a regularly organized system of education, conducted by more than a thousand teachers, men and women of their own race, with thrice as many trustees, and only white boards and superintendencies, county and State, is another marvel in the history of ethics, ethnology, and the education of nations. It speaks well for that race; and it speaks eloquently for Kentucky, and for the spirit of progress, not only in Kentucky, but, hopefully, throughout the South. It is the promise of a new era in the history of humanity."

#### GENERAL CONDITION AND PROGRESS OF THE COLORED PUBLIC SCHOOLS.

The great obstacle to the progress of the country colored schools is the poverty of the people. The State furnishes enough to pay the teacher for a two to four months' term; all the other funds, for building schoolhouses and maintaining the schools, they must generally raise themselves. On account of the lack of means the colored people are put to all sorts of shifts for buildings, often using churches, sometimes putting up with the most miserable accommodations or going without a school altogether. Such reports as the following are frequent: "Schoolhouses bad;" "The greatest trouble is want of money to build houses;" "The problem of comfortable houses for them is hard to solve;" "The colored schools of this county are at a low ebb, with no houses, and the people unable to build;" "It is almost impossible for them to build schoolhouses;" "They are too poor to build by taxation;" "Few have any tax-list, except a poll; hence the law allowing a tax to build is, for them, practically no tax at all." No doubt in some cases the want of suitable school buildings is a result of indolence or a lack of appreciation of the benefits of education, but there can be no doubt that poverty is the prevailing cause.

Other obstacles to negro education are the lack of qualified teachers and the size of the colored school districts, the latter especially in those States having a sparse colored population. Lewis County, Ky., 800 square miles in extent, forms a single colored school district. Of course in such a case it is not possible to locate the schoolhouse so that more than a few of the children can attend. The others are entirely deprived of school privileges. This condition of affairs—long distances to school—is of frequent occurrence, and it is not easy to imagine any remedy that can be devised to meet it. It is a condition of affairs that obtains in any thinly settled country, though bearing with special hardships upon the colored people, who are virtually deprived of the resource of home education.

With all these difficulties, however, the outlook is full of promise. It is only by comparing the present with the past—the schools of to-day with the condition of a people emerging from a state of human bondage and dense ignorance—that a proper estimate may be made of the ground that has been gained. Thirty years ago it was frequently an indictable offense to "teach or cause to be taught any slave or free person of color to read or write." As late as 1863, in the State of Delaware, a positive enactment was made against all assemblages for the instruction of colored people.

Now nearly one and a quarter million colored pupils daily attend the public schools and receive the rudiments of education, mainly at the expense of the white people of the South.

Further improvement is to be looked for on the lines already laid down. The teaching force is improving each year. The various colored normal, secondary, and superior institutions furnish their annual contingent to swell the ranks of the teachers. "The standing of their teachers in point of morals and learning is constantly growing better." "There is trouble securing teachers who can pass required examinations, but they are doing better on this point, and it is thought this impediment will soon disappear." Except in the event of assistance being granted by the Federal Government, it is to themselves that the colored people of the rural districts must look for means to supplement the State funds and to improve and extend their present school system. Signs are not wanting that substantial progress is being made in this direction. With the bettering of their material condition comes a fuller desire for intellectual training.

The reports of Superintendent Pickett, of Kentucky, furnish the most definite information on this point. One county superintendent says: "The (colored) common schools are improving in every respect. The grade of teachers is much better, schoolhouses are being improved, the people see that they can not get along without the common schools, but rely too much on the public fund."

Another: "Without education themselves, the colored people, with a devotion truly heroic and a self-sacrifice truly philanthropic, are making an effort to obtain for their children those blessings they have not enjoyed."

Another: "During the year a good schoolhouse has been built, and the interest is greatly increased."

Another: "The attendance during the last school year was better than ever before. A greater number of schoolhouses was built, and a larger amount supplementing the teachers' salaries was raised than ever before."

Another: "The colored people are laboring with commendable zeal to improve their schools. \* \* \* Taxes have been levied in three districts to improve the houses."

#### THE NEGRO SCHOOLS OF MISSOURI.

The following information regarding negro education in Missouri is taken from the report of State Superintendent W. E. Coleman (1888-89):

"The negro schools are gradually increasing in numbers and efficiency. This may be attributed to the fact that, in addition to the teachers supplied by Lincoln institute and the high schools in the larger cities of the State, many educated negroes come to Missouri in search of positions as teachers, who have been educated in Northern States, in the same schools with the white children, but who are not permitted to teach in said States.

"Missouri has now more than 700 negro teachers employed in her public schools. These, of course, teach only negro children; but this is 700 more negro teachers than are employed in seven of the Northern States, and, in fact, more than are employed in the public schools of all the old free States.

"Experience has proven that those negroes who have lived in the South, and who are well educated, made better teachers than those who have lived altogether in the North. They get along better with both the whites and the negroes.

"Our law-makers have favored the negro children by legislation. While they do not have, as a general rule, so well-equipped schoolhouses, they are granted special privileges in other particulars that are denied to the white children of the district. To form a district for white children requires thirty children of school age; but if there are fifteen colored children in any school district the board is required and compelled to maintain a separate school for them for the same length of time the school for the white children is in session. White children who have no school facilities, who live in unorganized territory, if they attend a public school, have to pay tuition, while, at the same time, their parents are compelled to pay a four-mill school tax which goes to the organized districts of the county; but negro children, in a district with less than fifteen negro children by the last enumeration, are permitted to go to any negro school in the county free, and the district in which they reside must pay their tuition. This is not a privilege only; it is an absolute right they have under the law. Still we have a few negro fanatics, agitators, and would-be philanthropists, who are continually trying to stir up confusion and contention because a few negro children happen to live in districts remote from a negro school. They grow furious if the children have to walk two or three miles, while there are ten times as many white children who walk as far, and some farther, to attend their own district schools. The question is often asked, "How do the negro children learn?" Are they as apt as the white children? No, might be given as a definite answer; but that does not satisfy. The truth is there are not 1,000 full-blooded African children in the schools of this State. The negro population of Missouri is an amalgamated



race of people, in which the genuine negro and the Caucasian races have been mixed; and it is a fact, that can not be consistently denied, that when you have the opportunity to test the ability of the negro school children from six years old until they reach twenty it will become apparent that as they advance in the grades, from the primary department to graduation in the high school, the African characteristics drop out and the Caucasian predominate, thereby showing conclusively that the African is not capable of receiving and utilizing the school advantages afforded him with the readiness and to the extent of the Caucasian. Among the 700 negro teachers in Missouri, there are not ten of purely African antecedents.

"There are still a few communities in which the freeholders prefer to rent and lease their lands to negroes rather than to have white tenants occupy them, but who do everything in their power to deprive the negroes of their legal rights relative to schools and school privileges. The negroes are poor and can not afford to go to law, but submit, and their children are thereby defrauded out of their just rights, rights which are guaranteed to them by the laws of the State. My theory is that any community that prefers negro tenants should be compelled to support good schools for the children of such negro tenants."

#### CAPACITY OF THE NEGRO FOR EDUCATION.

The question of the capacity of the negro to receive education, which Superintendent Coleman touches upon in the preceding extract, has been often discussed. Mr. W. H. Baker, superintendent of the public schools of Savannah, Ga., asserted upon this point: "I desire to have it known that, as a result of my observation, which has been extensive, I am convinced that the colored people are exceedingly anxious to educate their children. The colored children in the schools of this city are making rapid progress. They not only show ability for learning what are termed the elementary branches, but seem to grasp without difficulty those studies which are included in the curriculum of what is classed as secondary education. I write this because for many years I held a contrary opinion."

The superintendent of Fleming County, Kentucky, reports: "The children advanced as rapidly as did those of the average white schools. Experience is teaching that the colored children can be almost as well educated, and in nearly the same time, as the white;" and from another county comes the following: "Colored people are taking more interest and advancing more rapidly in common school education than the whites"; and again: "The colored people greatly appreciate school privileges, and have made greater progress, under the circumstances, than have the whites."

John B. Cary, late superintendent of the public schools of Richmond, Va., in his account of the twentieth anniversary of the Richmond Colored Normal School, said: "As the subjects indicate, the exercises were of an interesting character, and clearly refuted the idea of those who maintain that the negro is incapable of mental culture. When it is known that our colored schools correspond in grades, instruction, and discipline with the white, subject to the same rules and regulations, it will be conceded, I think, that the people of Richmond are doing their full duty by them."

TABLE 4.—*Amount and disposition of the sums disbursed from the Slater fund from 1883 to 1889, inclusive.*

	1883.	1884.	1885.	1886.	1887.	1888.	1889.	Total.
Alabama.....	\$2, 100	\$2, 450	\$5, 000	\$3, 800	\$4, 400	\$4, 600	\$3, 600	\$25, 950
Arkansas.....					600	800	800	2, 200
Florida.....						1, 000	800	1, 800
Georgia.....	6, 200	500	6, 814	5, 100	6, 200	6, 850	9, 700	41, 364
Kentucky.....		1, 000	1, 000	700	700	700		4, 100
Louisiana.....		592	1, 400	1, 000	3, 100	3, 500	4, 100	13, 692
Mississippi.....	1, 000	2, 600	2, 000	2, 000	4, 450	4, 800	4, 400	21, 250
North Carolina.....	2, 000	740	4, 400	3, 600	4, 200	5, 300	5, 100	25, 340
South Carolina.....	2, 000	750	3, 500	2, 700	3, 660	4, 300	4, 000	20, 910
Tennessee.....	950	4, 325	7, 600	5, 800	6, 500	6, 500	6, 800	38, 475
Texas.....		600	600	600	900	1, 360	1, 360	5, 420
Virginia.....	2, 000	2, 000	3, 000	3, 650	4, 190	4, 190	3, 150	22, 180
District of Columbia.....		1, 000	1, 000	600	600	600		3, 800
Special.....		550	450	450	500	500	500	2, 950
Total.....	16, 250	17, 107	36, 761	30, 000	40, 000	45, 000	44, 310	a220, 431

a The sum of \$45,000 has been appropriated for the year 1889-90.



TABLE 5.—*Expenditure of moneys derived from Peabody Fund, classified by race.*

## ALABAMA, 1888-89.

White:		
Thirteen scholarships at Nashville .....	\$2, 600	
Normal schools .....	2, 200	
Birmingham Training School .....	500	
		\$5, 350
Colored:		
Normal schools .....		800
Unclassified:		
Teachers' institutes (13 white, 9 colored) .....	1, 250	
Public schools .....	1, 000	
		2, 250
		8, 400

## ARKANSAS, 1888.

White:		
Ten scholarships .....		2, 000
Unclassified:		
Public schools .....	2, 200	
Teachers' institutes .....	1, 608	
		3, 808
		5, 808

## GEORGIA, 1888.

White:		
Fourteen scholarships .....		2, 800
Unclassified:		
Newnan public schools .....	500	
Teachers' institute .....	1, 042	
		1, 542
		4, 342

## LOUISIANA, 1887-88.

White:		
Eight scholarships .....	1, 600	
State Normal School .....	2, 000	
		3, 600
Unclassified:		
Public schools .....	1, 000	
Teachers' institutes .....	1, 000	
		2, 000
		5, 600

## NORTH CAROLINA, 1887-88.

White:		
Fourteen scholarships .....	2, 800	
Normal schools .....	2, 015	
		4, 815
Colored:		
Public schools .....	200	
Normal schools .....	180	
		380
Unclassified:		
Public schools .....		2, 105
		7, 300

## SOUTH CAROLINA, 1888-89.

White:		
Ten scholarships .....	2, 000	
Normal school .....	2, 000	
		4, 000
Colored:		
Normal school .....		1, 000
Unclassified:		
Teachers' institutes .....	167	
Public schools .....	4, 450	
		4, 617
		9, 617

## TENNESSEE, 1886-87.

White:		
Fourteen scholarships .....	2, 800	
Peabody Normal College .....	10, 000	
		12, 800
Unclassified:		
Teachers' institutes (6 white, 3 colored in 1888-89) .....		1, 200
		14, 000

## TEXAS, 1887-88.

White:		
Nine scholarships .....	1, 800	
Normal school .....	2, 000	
		3, 080

TABLE 5.—*Expenditure of moneys derived from Peabody Fund, etc.*—Continued.

VIRGINIA, 1887-88.			
White:			
Fourteen scholarships .....	\$2,800		
Normal school .....	2,000		
Teachers' institutes .....	1,691		
			\$6,491
Colored:			
Normal school .....	500		
Teachers' institutes .....	380		
			880
			7,371
WEST VIRGINIA, 1886-87.			
White:			
Eight scholarships .....			1,600
Unclassified:			
Normal schools .....	1,000		
Institutes .....	1,500		
			2,500
			4,100

TABLE 6.—*Statistics of institutions for the instruction of the colored race for 1888-89.*

Location.	Name.	Religious denomination.	Instructors.	Students.
NORMAL SCHOOLS.				
Huntsville, Ala .....	Central Alabama Academy .....	M. E .....	5	140
Do .....	State Colored Normal and Industrial School .....	Non-sect. ....	10	257
Mobile, Ala .....	Emerson Institute .....	Cong .....	10	289
Montgomery, Ala .....	State Normal School for Colored Students .....	Non-sect. ....	19	325
Talladega, Ala .....	Normal Department of Talladega College .....	Cong .....	3	35
Tuskegee, Ala .....	Tuskegee Normal and Industrial Institute .....	Non-sect. ....	27	389
Helena, Ark .....	Southland College and Normal Institute* .....		5	61
Pine Bluff, Ark .....	Branch Normal College of Arkansas Industrial University .....	Non-sect. ....	7	200
Washington, D. C. ....	Miner Normal School .....	Non-sect. ....	7	40
Do .....	Normal Department of Howard University .....	Non-sect. ....	6	163
Tallahassee, Fla .....	State Normal College for Colored Teachers .....	Non-sect. ....	3	54
Atlanta, Ga .....	Normal Department of Atlanta University .....	Non-sect. ....		110
Augusta, Ga .....	The Paine Institute .....	M. E., So .....	8	129
Cuthbert, Ga .....	Howard Normal School * .....	Non-sect. ....	2	124
Thomasville, Ga .....	Normal and Industrial School* .....		7	367
New Orleans, La .....	Normal Department of New Orleans University .....	M. E .....		17
Do .....	Normal Department of Straight University .....	Non-sect. ....		40
Holly Springs, Miss .....	Mississippi State Colored Normal School .....	Non-sect. ....	3	163
Jackson, Miss .....	Jackson College .....	Baptist .....	8	220
Tougaloo, Miss .....	Normal Department of Tougaloo University .....	Cong .....	3	25
Jefferson City, Mo .....	Lincoln Institute* .....	Non-sect. ....	7	163
Ashborough, N. C .....	Ashborough Normal School .....	Friends .....	2	75
Fayetteville, N. C .....	State Colored Normal School .....	Non-sect. ....	3	153
Goldsborough, N. C .....	do .....	Non-sect. ....	3	89
Plymouth, N. C .....	do .....	Non-sect. ....	3	106
Raleigh, N. C .....	St. Augustine Normal School and Collegiate Institute.* .....	P. E .....	9	155
Salisbury, N. C .....	State Colored Normal School* .....	Non-sect. ....	3	129
Aiken, S. C .....	Schofield Normal and Industrial School .....		8	302
Charleston, S. C .....	A very Normal Institute .....	Cong .....	6	250
Greenwood, S. C .....	Brewer Normal School* .....	Cong .....	3	186
Knoxville, Tenn .....	Slater Training School .....		5	239
Memphis, Tenn .....	Le Moyne Normal Institute .....	Cong .....	12	176
Morristown, Tenn .....	Morristown Normal Academy .....	M. E .....	6	269
Nashville, Tenn .....	Normal Department of Central Tennessee College .....	M. E .....		188
Do .....	Normal Department of Fisk University .....	Cong .....	6	48
Do .....	Normal Department of Roger Williams University .....	Bapt .....	6	221
Austin, Tex .....	Tillotson Collegiate and Normal Institute .....	Cong .....	13	234
Hempstead, Tex .....	Prairie View State Normal School .....	Non-sect. ....	8	140
Hampton, Va .....	Hampton Normal and Agricultural Institute .....	Cong .....	61	651
Petersburg, Va .....	Virginia Normal and Collegiate Institute .....	Non-sect. ....	13	326
Harper's Ferry, W. Va. ....	Storer College .....	Non-sect. ....	9	194
Total .....			316	7,462
INSTITUTIONS FOR SECONDARY INSTRUCTION.				
Athens, Ala .....	Trinity School .....	Cong .....	5	186
Marion, Ala .....	Colored Academy .....	Cong .....		

\* Statistics of 1887-88.

TABLE 6.—Statistics of institutions for the instruction of the colored race, etc.—Cont'd.

Location.	Name.	Religious denomination.	Instructors.	Students.
INSTITUTIONS FOR SECONDARY INSTRUCTION.— Continued.				
Prattville, Ala.	Prattville Male and Female Academy <i>a</i>	Non-sect.	5	293
Talladega, Ala.	Talladega College	Cong.	18	427
Sacramento, Cal.	St. Joseph's Academy	Cath.	10	300
Jacksonville, Fla.	Cookman Institute	M. E.	7	241
Key West, Fla.	Convent of Mary Immaculate * <i>a</i>	Cath.	13	120
Live Oak, Fla.	Florida Institute	Bapt.	5	92
Athens, Ga.	Jewel Normal School		2	125
Do.	Knox Institute		1	95
Do.	Pierce Chapel		1	77
Atlanta, Ga.	Atlanta Baptist Seminary	Bapt.	6	148
Do.	Spelman Seminary	Bapt.	30	551
Do.	Storr's School *	Cong.	9	589
Cave Spring, Ga.	Mercer Female Seminary	Bapt.	1	25
McIntosh, Ga.	Dorchester Academy *	Cong.	4	248
Macon, Ga.	Ballard Normal School		10	430
Do.	Lewis Normal Institute *	Cong.	10	372
Mt. Zion, Ga.	Mt. Zion Seminary *	M. E.	4	124
Savannah, Ga.	Beach Institute *	Cong.	8	321
Tulleshassee, Ind. T.	Creek Freedman School	Bapt.		
Lexington, Ky.	Lexington Colored Normal School	Cong.	7	300
Louisville, Ky.	State University	Bapt.		
Williamsburg, Ky.	Williamsburg Colored Academy	Cong.	7	307
Winsted, La.	Gilbert Academy	M. E.	12	299
Clinton, Miss.	Mount Hermon Female Seminary	Non-sect.	5	229
Meridian, Miss.	Meridian Academy	M. E.	3	185
Ashborough, N. C.	Friends' Academy *	Friends.	2	82
Concord, N. C.	Scotia Seminary	Presb.	14	224
Leicester, N. C.	Brown Seminary *	M. E.	2	100
Greensborough, N. C.	Benlett Seminary *	M. E.	5	127
Wilmington, N. C.	Gregory Institute *		8	300
South New Lyme, Ohio.	New Lyme Institute		8	282
Philadelphia, Pa.	Institute for Colored Youth *	Friends.	8	427
Oxford, Pa.	Oxford Academy	Non-sect.	6	74
Charleston, S. C.	Wallingford Academy	Presb.	7	651
Columbia, S. C.	Benedict Institute	Bapt.	14	236
Frogmore, S. C.	Penn Industrial and Normal School	Non-sect.	10	240
Grand View, Tenn.	Colored Academy *	Cong.	3	92
Jonesboro, Tenn.	Warner Institute *	Cong.	3	112
Knoxville, Tenn.	Knoxville College	U. Presb.	12	257
Mason, Tenn.	West Tennessee Preparatory School	M. E.	3	149
Morristown, Tenn.	Morristown Seminary and Normal Institute.	M. E.	6	282
Pleasant Hill, Tenn.	Colored Academy *	Cong.	3	76
Hearne, Tex.	Hearne Academy	Bapt.	3	48
Marshall, Tex.	Bishop College	Bapt.	8	209
Do.	Wiley University	M. E.	13	230
Waco, Tex.	Paul Quin College	Af. Meth.	4	107
Walnut, Tex.	Central College *	Non-sect.	5	223
Abbyville, Va.	School of the Bluestone Mission *	U. Presb.	3	220
Norfolk, Va.	Norfolk Mission School	U. Presb.	10	453
Richmond, Va.	Moore Street Industrial School		4	95
Do.	Hartshorn Memorial College	Bapt.	7	100
Total <i>b</i> .			354	11,480
UNIVERSITIES AND COLLEGES. <i>c</i>				
Selma, Ala.	Selma University	Bapt.		
Little Rock, Ark.	Phillander Smith College	M. E.	7	187
Atlanta, Ga.	Atlanta University	Non-sect.	221	356
Do.	Clark University	M. E.	12	68
Washington, D. C.	Howard University <i>e</i>	Non-sect.	9	59
Berea, Ky.	Berea College	Non-sect.	18	334
New Orleans, La.	Leland University	Bapt.	10	170
Do.	New Orleans University	M. E.	9	240
Do.	Southern University	Non-sect.	9	360
Do.	Straight University	Non-sect.	17	432
Holly Springs, Miss.	Rust University	M. E.	8	201
Jackson, Miss.	Jackson College	Bapt.		

\* Statistics of 1887-88.

*a* This institution is open to both races, and the figures given include some whites.*b* 169 students not included here were attending schools designed for whites.*c* Not including professional departments.*d* Number of instructors in all the departments.*e* 55 white students not included here were enrolled in the different departments of Howard University.



TABLE 6.—Statistics of institutions for the instruction of the colored race, etc.—Cont'd.

Location.	Name.	Religious denomination.	Instructors.	Students.
UNIVERSITIES AND COLLEGES. <i>a</i> —continued.				
Rodney, Miss.....	Alcorn Agricultural and Mechanical College.....	Non-sect.....	7	216
Charlotte, N. C.....	Biddle University.....	Presb.....	7	138
Raleigh, N. C.....	Shaw University.....	Bapt.....	13	180
Salisbury, N. C.....	Livingstone College.....	Af. M. E.....	13	124
Wilberforce, Ohio.....	Wilberforce University.....	Af. M. E.....	9	241
Columbia, S. C.....	Allen University.....	Non-sect.....	20	946
Orangeburg, S. C.....	Cladin University.....	M. E.....	624	244
Nashville, Tenn.....	Central Tennessee College.....	Cong.....	17	451
Do.....	Fisk University.....	Bapt.....	8	63
Do.....	Roger Williams University.....			
Total.....			238	5,010
SCHOOLS OF THEOLOGY.				
Talladega, Ala.....	Talladega College.....	Cong.....	1	16
Tuscaloosa, Ala.....	Institute for Training Colored Ministers.....	Presb.....	2	26
Washington, D. C.....	Theological Department of Howard University.....	Non-sect.....	6	38
Do.....	Wayland Seminary.....	Bapt.....	8	43
Atlanta, Ga.....	Atlanta Baptist Seminary.....	Bapt.....	5	147
Do.....	Gammon Theological Seminary.....	M. E.....	4	70
New Orleans, La.....	Gilbert Haven School of Theology (New Orleans University).....	M. E.....	3	9
Do.....	Theological Department of Leland University.....	Bapt.....	2	30
Do.....	Theological Department of Straight University.....	Non-sect.....	4	20
Baltimore, Md.....	Centenary Biblical Institute.....	M. E.....	15	195
Charlotte, N. C.....	Theological Department of Biddle University.....	Presb.....	3	13
Raleigh, N. C.....	Theological Department of St. Augustine's Normal School.....	P. E.....	6	15
Do.....	Theological Department of Shaw University.....	Bapt.....	2	40
Wilberforce, Ohio.....	Theological Department of Wilberforce University.....	Af. M. E.....	2	8
Columbia, S. C.....	Benedict Institute.....	Bapt.....	7	236
Do.....	Theological Department of Allen University.....	Af. M. E.....	3	9
Orangeburg, S. C.....	Baker Theological Institute (Cladin University).....			
Nashville, Tenn.....	Theological Department of Central Tennessee College.....	M. E.....	2	4
Do.....	Theological Department of Fisk University.....	Cong.....	1	9
Do.....	Theological Department of Roger Williams University.....	Bapt.....	1	
Marshall, Tex.....	Bishop College.....	Bapt.....	8	17
Richmond, Va.....	Richmond Theological Seminary.....	Bapt.....	4	63
Totale.....			89	1,008
SCHOOLS OF LAW.				
Washington, D. C.....	Law Department of Howard University.....		5	22
New Orleans, La.....	Law Department of Straight University.....		4	8
Columbia, S. C.....	Law Department of Allen University.....		1	5
Nashville, Tenn.....	Law Department of Central Tennessee College.....		5	7
Total.....			15	42
SCHOOLS OF MEDICINE, DENTISTRY, AND PHARMACY.				
Washington, D. C.....	Howard University:			
	Medical Department.....		11	109
	Pharmaceutical Department.....		1	16
	Dental Department.....		3	11
Raleigh, N. C.....	Leonard Medical College (Shaw University)*.....			39
Nashville, Tenn.....	Central Tennessee College:			
	Meharry Medical Department.....		9	55
	Dental Department.....		6	11
Total <i>d</i> .....			30	241

\* Statistics of 1887-88.

*a* Not including professional departments.*b* Number of instructors in all the departments.*c* 40 colored students of theology not included here were attending schools designed for whites.*d* 20 colored students not included here were enrolled in schools designed for whites.

TABLE 6.—Statistics of institutions for the instruction of the colored race, etc.—Cont'd.

Location.	Name.	Religious denomination.	Instructors.	Students.
	SCHOOLS FOR THE DEAF AND DUMB AND THE BLIND.			
St. Augustine, Fla.....	Florida Institute for the Deaf and the Blind <i>a</i> .....		2	10
Danville, Ky.....	Kentucky Institution for the Education of Deaf Mutes (colored department).		<i>b</i> 14	36
Louisville, Ky.....	Kentucky Institution for the Education of the Blind (colored department).		<i>b</i> 11	19
Baltimore, Md.....	Maryland School for Colored Blind and Deaf Mutes.*		5	44
Jackson, Miss.....	Institution for the Education of the Deaf (colored department).		<i>b</i> 8	18
Raleigh, N. C.....	North Carolina Institution for the Deaf and Dumb and the Blind (colored department).		<i>b</i> 7	87
Cedar Spring, S. C.....	South Carolina Institution for the Education of the Deaf and Dumb and the Blind (colored department).		2	17
Nashville, Tenn.....	Tennessee School for the Blind (colored department).		<i>b</i> 8	12
Austin, Texas.....	Institution for the Deaf and Dumb and Blind Colored Youth.		3	44
	Total <i>c</i> .....		60	287

\* Statistics of 1887-88.

*a* Has three white pupils.*b* For the white and colored departments.*c* There were 166 colored pupils, not included here, in institutions designed for whites.

TABLE 7.—Summary of statistics of institutions for the instruction of the colored race for 1888-89.

States and Territories.	Public schools.		Normal schools.			Institutions for secondary instruction.		
	Colored school population.	Enrollment.	Schools.	Teachers.	Pupils.	Schools.	Teachers.	Pupils.
Alabama.....	226,925	105,106	6	71	1,445	4	28	906
Arkansas.....	106,300	56,382	2	12	261			
California.....						1	10	300
Delaware.....	<i>a</i> 7,070	<i>b</i> 4,587						
Florida.....	<i>c</i> 52,865	34,008	1	3	54	3	25	453
Georgia.....	<i>c</i> 267,657	<i>c</i> 120,390	4	17	730	12	86	3,105
Kansas.....								
Kentucky.....	<i>c</i> 109,158	42,526				3	14	607
Louisiana.....	<i>c</i> 176,097	<i>c</i> 51,539	2		57	1	12	299
Maryland.....	68,409	34,072						
Mississippi.....	<i>e</i> 273,528	172,338	3	14	413	2	8	414
Missouri.....	48,478	32,168	1	7	168			
North Carolina.....	<i>c</i> 216,837	<i>b</i> 125,844	6	23	707	5	31	833
Ohio.....						1	8	282
Pennsylvania.....						2	14	501
South Carolina.....	<i>f</i> 189,475	104,503	3	17	738	3	31	1,127
Tennessee.....	162,834	<i>b</i> 94,435	6	35	1,141	6	30	968
Texas.....	139,939	<i>g</i> 96,509	2	21	374	5	33	817
Virginia.....	<i>h</i> 265,347	119,172	2	74	977	4	24	868
West Virginia.....	10,497	6,269	1	9	194			
District of Columbia.....	<i>c</i> 18,200	13,004	2	13	203			
Indian Territory.....						1		
Total.....		1,213,092	41	316	7,462	53	354	11,480

*a* In 1886.*b* In 1887-88.*c* In 1888.*d* Estimated.*e* In 1887.*f* U. S. Census of 1880.*g* Approximately.*h* In 1885.

TABLE 7.—*Summary of statistics of institutions for the instruction of the colored race for 1888-89—Continued.*

States and Territories.	Universities and colleges.			Schools of theology.			Schools of law.		
	Schools.	Teachers.	Pupils.	Schools.	Teachers.	Pupils.	Schools.	Teachers.	Pupils.
Alabama.....	1	7	187	2	3	42			
Arkansas.....	1								
California.....									
Georgia.....	2	33	424	2	9	217			
Kentucky.....	1	18	334						
Louisiana.....	4	45	1,202	3	9	59	1	4	8
Maryland.....				1	15	195			
Mississippi.....	3	15	417						
North Carolina.....	3	20	318	3	11	68			
Ohio.....	1	13	124	1	2	8			
Pennsylvania.....									
South Carolina.....	2	29	1,187	3	10	245	1	1	5
Tennessee.....	3	49	758	3	4	13	1	5	7
Texas.....				1	8	17			
Virginia.....				1	4	63			
District of Columbia.....	1	9	59	2	14	81	1	5	22
Total.....	22	238	5,010	22	89	1,008	4	15	42

TABLE 7.—*Summary of statistics of institutions for the instruction of the colored race for 1888-89—Continued.*

States and Territories.	Schools of medicine.			Schools for the deaf and dumb and the blind.		
	Schools.	Teachers.	Pupils.	Schools.	Teachers.	Pupils.
Florida.....				1	2	10
Georgia.....						
Kentucky.....				2	25	55
Maryland.....				1	5	44
Mississippi.....				1	8	18
North Carolina.....	1		39	1	7	87
South Carolina.....				1	2	17
Tennessee.....	1	15	66	1	8	12
Texas.....				1	3	44
District of Columbia.....	1	15	136			
Total.....	3	30	241	9	60	287

TABLE 8.—*Number of schools for the colored race and enrollment in them by institutions, without reference to States.*

Class of institutions.	Schools.	Enrollment.
Public schools.....		1,213,092
Normal schools.....	41	7,462
Institutions for secondary instruction.....	53	11,480
Universities and colleges.....	22	5,010
Schools of theology.....	22	1,008
Schools of law.....	4	42
Schools of medicine.....	3	241
Schools for the deaf and dumb and the blind.....	9	287
Total.....	154	1,238,622



Some idea of the work of Central Tennessee College may be obtained from the following extract taken from the catalogue of 1889-90:

"A large portion of the students have been teachers and are at school preparing for better work. Others are getting ready to teach. Most of these have charge of Sunday schools in connection with day schools, thus aiding in the religious instruction of the communities where they labor. Hundreds of students educated here are working among their people as advocates of total abstinence from all intoxicating liquors and tobacco. Most of them are professed Christians, and infuse the Christian spirit into their work. Some are successful preachers in the different branches of Methodism, as well as in other denominations. Over 100 have been graduated in the medical department, and most of them are now practicing successfully. There are more than 5,000,000 of colored people in the South who are asking for more competent teachers, better educated lawyers, doctors, and preachers who can teach the people; better educated farmers and mechanics, and more enlightened wives and mothers to elevate the home life of the entire people."

Rev. H. M. Tupper, of Shaw University, Raleigh, N. C., says:

"Essentially the same methods and system of grading have been followed as in previous years. In the cook and dining rooms 102 girls have received instruction and been employed 1 hour per day under an experienced matron, and the improvement in order, neatness, and efficiency has been marked; also more interest and desire to excel on the part of the young ladies have been manifest than during any previous year. The same may be said in regard to the department of sewing, which is under the supervision of a very competent instructor in the different branches of needlework. Plain sewing is first taught, then cutting and putting together plain garments, the making of buttonholes; also systematic dressmaking and various kinds of fancy work. This department is well graded, and the pupils are advanced according to their proficiency. The results of the year, on the whole, have been most gratifying.

"In the male department there have been four teachers, and instruction has been given in carpentry, furniture-making, house-painting, whitewashing, kalsomining, and glazing. Others have engaged in mason work, landscape-gardening, and care of grounds. In this way we supply every want of the school, manufacturing all kinds of furniture needed, and repairing and doing any kind of carpenters' work. About 200 young men have been given instruction and employed in the different departments of industrial work, and we propose early next session to establish a printing department, as the tendency is, in some kinds of our industrial work, that the classes are crowded, making it difficult for the teacher to give the needed supervision and instruction.

"In reviewing the history of our industrial work in all its phases and bearings, *I pronounce it a grand success*, second in importance to no other department of the school, and I am doing my best from year to year to introduce such improvements as will more and more accomplish the best possible results. I find it requires experience, patience, and no little amount of firmness and energy to maintain a high standard of efficiency in the several departments of industrial work, even more effort than is necessary to secure excellence in the literary departments of the school."

Rust University, Holly Springs, Miss.:

"In the department of shoemaking twenty-eight young men have been instructed during the year, and the result proves to be in advance of our expectations.

"In the department of carpentry fifty-three young men have been instructed in the use of tools. With the advantages gained by the erection of a new industrial hall, which will be completed in a few weeks, much greater progress in both shoemaking and carpentry is promised.

"In typesetting nine young men and seven young women have worked, and not only gained knowledge under the faithful instruction of an experienced printer, but as well sent out about 1,000 copies of Rust Enterprise monthly, the work of which proves their interest and efficiency.

"The nurse-training department has done excellent work. Sixteen young women have been carefully and systematically instructed. This is a department that needs development to meet the actual demands of the times. With a prescribed course of study of 4 years we expect to make this a power for good."

LeMoyne Institute, Memphis, Tenn.:

"This school commands the confidence and respect of all. Among the best teachers in public schools in the Mississippi Valley on both sides of the river are the graduates of LeMoyne Institute."

Meharry Medical Department of Central Tennessee College, Nashville, Tenn.:

"This school has conferred the degree of M. D. on one hundred and four young men, nearly all of whom are now engaged in the successful practice of their profession. They have been kindly received by the white physicians, whose uniform testimony is that the colored physicians sent out by this school give evidence of very thorough preparation for their work.

"In each of the Southern States south of Virginia one or more of our graduates are now practicing medicine, and in quite a number of Southwestern States. Their record is one that no college need be ashamed of."

President Tupper says of the work of Leonard Medical School of Shaw University, Raleigh, N. C., and on the general subject of colored men in medicine:

"The graduates of last year more than met expectations, and won for themselves much honor before the North Carolina and Virginia State medical boards. Only one failed to pass, while others stood among the first in scholarship. Before the North Carolina medical board, in a class of some forty white applicants for license to practice medicine, one of the graduates of the Leonard Medical School led the class in six branches of medicine, but failed in two questions in chemistry. One thing has been clearly proved, that the best minds among the colored people can successfully master the different branches of medicine and make good physicians, but the medical men find it more difficult, perhaps, the fault to some extent being in their preliminary training, and in such cases the only safe remedy seems to be to allow the student to remain after the expiration of the 4 years' course until he can bring himself up to our standard of graduation.

"This is fair to the student and avoids the danger of letting loose on the community a class of graduates who have continued in school the prescribed number of years, but have not thoroughly mastered the different branches of medicine. In this connection, I wish to bear testimony that in a long experience as student and teacher I have never seen young men make so earnest and persistent efforts to succeed in their studies and qualify themselves for their profession, and we have to introduce restraints to protect their health rather than incentives to industry and study.

"During the past year we have raised the standard of qualifications for entrance into our medical school, and several who were expecting to be admitted were required to spend an extra year in preliminary studies, and yet the new class is a third larger than any preceding one.

"All of our graduates thus far have settled in the larger cities of the South, and without a single exception have readily entered into a good practice, and have the confidence of the colored people and the good-will and respect of the white physicians."

From catalogue of Atlanta University, 1889-90:

"Nearly all the graduates and many others who have left before finishing their course are engaged in teaching during a part or all of the year. Besides these, during the 4 months of the summer vacation a large number of students engage in teaching, and it is estimated that over 10,000 children in Georgia are taught annually by those who have been connected with the institution."

From report of B. T. Washington, president of the Tuskegee (Alabama) Colored Normal School:

"While the air is full of speculation as to the solution of the 'Negro problem,' it seems to me that the fact that a negro normal school of 400 students could exist for 8 years in the midst of a white community with perfect good feeling on all sides proves that the problem left to the judgment of the commonsensical and conservative among both races will soon solve itself. Education of the right kind is the only solution of the race problem.

"Eight years' experience of combining mental and industrial training proves (1) that the two can be so combined as not to hinder the mental training; (2) that enough profitable work can be done by the students to materially decrease their boarding expenses; (3) that the habits of industry growing out of an industrial training stick to the students after they graduate and prevent their becoming 'stuck-up' loafers when not teaching; (4) that the industrial training tends in the highest degree to develop moral character. The industries taught at present are farming, brick-making, wheelwrighting, blacksmithing, saw-mill work, carpentry, painting, plastering, brickmasonry, printing, mattress-making, harness-making, sewing, laundry work, cooking, and general housekeeping. Students work at these industries on an average of 1½ days in each week and are in the class-room the remainder of the time."

The catalogue of Southern University, New Orleans, La., 1889-90, says of the industrial department:

"This department, organized 4 years ago, is receiving much commendation. It has proven a success, and is a department that reflects great credit on the pupils.

"A large number of girls have learned to make garments, rugs, and household articles of various kinds. This work is regularly and systematically graded, beginning with the plain and simple and advancing to the costly and intricate. The pupils furnish their own materials.

"Students in this department are thoroughly instructed in all manner of needle-work and in cutting and fitting. Those who complete a course in this department receive a certificate stating the same. We design the addition of such industries as will afford them the means of earning an honorable and competent livelihood."

At Clark University, Atlanta, Ga., a brick building, 100 by 40 feet and two stories



high, has been erected for the industrial department. The boys are taught carpentry, wheelwrighting, painting, and harness-making. In the printing office they are instructed in that business. The girls are taught to be trained nurses, and in cooking, dressmaking, cutting, etc.

At Fisk University, Nashville, Tenn., a printing office has been furnished by a special appropriation from the John F. Slater fund, and instruction is annually given to fifteen young men in the various kinds of work that belong to a job office.

Instruction in wood-working is also given under the direction of a graduate of the mechanical department of Pennsylvania State College. Two hours each week are given to working in wood, and the results of the first year's efforts have been quite satisfactory, and the influence on general scholarship has been beneficial.

In the nurse-training department the students have been taught the right methods of caring for the sick and those who have met with accidents, and in the laws of hygiene. Instruction has also been given in cooking and in the nutritive values of the different foods and their comparative cost. Dressmaking and plain sewing have also been taught.

The catalogue for 1889-90 of Atlanta University contains a list of the graduates from 1871 to 1889, inclusive, and also the business of each, so far as learned. Of the 148 persons whose names are given, 120 are teachers, 9 preachers, and 19 are engaged in other pursuits.

"The boys of the college, college preparatory, and normal classes, and the first two grades of the grammar school course, are taught the use of tools.

"The boys are also taught some of the principles of farming and gardening. Attention is given to the raising and care of stock, to the raising of fodder crops, their comparative value and fitness for this soil and climate. The cultivation of vegetables is encouraged by competition and prizes for the best results.

"The girls are taught various branches of household science, such as plain sewing, dressmaking, cooking, and nursing the sick, under experienced teachers.

"An outfit of type and other printing material has been purchased for instruction in printing, and additions of material will be made as our funds allow.

"Classes in printing have been organized, a monthly paper, the Bulletin, has been issued, and most of the job printing of the institution has been done by student labor."

In New Orleans University facilities are afforded for the daily instruction of 50 young men in carpentry, cabinet-making, and upholstering. A printing office has also been opened, in which all the work of a job office will be taught. The girls receive instruction in dress cutting and making. In the nurse-training department a full course of instruction is given in everything properly belonging to that department.

#### ALABAMA.

Separate schools for the two races are required. (Sch. L's, 1885, p. 29, sec. 52.) Also required by the Constitution. (Sch. L's, 1885, p. 3, sec. 1.)

The poll taxes (\$1.50 on each male citizen between 21 and 45 years of age, collected in each county, shall be retained therein for the public schools thereof. (Sch. L's, 1885, p. 6, par. 6.)

Poll taxes paid by each race in each township or school district must be used for that race in that township or district. (Sch. L's, 1885, p. 32, sec. 60.)

The State superintendent of education shall apportion the school fund according to school population to each township or district, and for each race therein. (Sch. L's, 1885, p. 30, sec. 56, *et seq.*)

The whole amount apportioned in 1888-89 was \$370,420.56, of which the 273,994 white children received \$204,911.93, and the 212,931 colored children received \$165,508.63; 74.8 cents for each white child and 77.7 cents for each colored child. (Sch. Rep., 1889, p. 107.) The whole amount disbursed, including local funds, was \$690,390.22 (p. 10).

According to the school laws published in 1835 (p. 12) the teachers were paid by the county superintendents quarterly. It seems that by the present laws they are paid directly from the State treasury, the county superintendents simply delivering the money sent to each teacher. (Rep. of 1833, p. 27, and Rep. of 1886, p. 19.)

"All local school funds raised for the support of public schools, by taxation or otherwise, shall be apportioned and expended in the district or districts where such funds have been raised, under such rules and regulations as the district superintendent of public schools of said district, or other local board provided by law, may prescribe; but this section shall not be construed to repeal any provision for the apportionment and disbursement of the moneys mentioned in this article [Art. VII], provided for in special or local laws" (Sch. L's, 1885, p. 34).

In addition to the \$165,508.63 apportioned to the colored schools, they were entitled to the poll taxes paid by colored voters. From these funds colored teachers were paid \$201,217.82, and, in addition, \$7,000 were paid to colored normal schools. (See Rep. 1889, p. 10.) This gives \$1.14 to each white child and 93 cents to each colored



child. It is probable that a larger proportion of the colored voters failed to pay the poll tax, as was true in North Carolina, where a record was kept of the poll-tax receipts from each race.

The apportionment in 1886-88, was as follows: White children (251,606), \$190,-182.45, or 76 cents for each; colored children (201,331), \$156,634.87, or 78 cents for each. (See Rep. 1888, p. 100.)

The disbursements of State fund, including poll tax, was as follows: White teachers and normal schools, \$304,384.40, or \$1.21 for each child. Colored teachers and normal schools, \$207,380.42, or \$1.03 for each child. (See Rep. 1888, p. 8.)

"In making the apportionment of school money to the several school districts the superintendent of education shall first set apart to each township or other school district the amount due from the State to each district as interest on its sixteenth-section fund, or other trust fund held by the State; and all townships or school districts which have an income from trust funds in the hands of the State, or from lease or sale of their sixteenth-section lands, shall not receive anything out of the balance of the educational fund to be apportioned until all other townships or school districts having no trust fund shall have received from the general fund such sum as will give them an equal per capita apportionment with the townships and districts having such trusts and incomes.

"The superintendent of education shall apportion the educational fund to the respective townships or school districts subject to the provisions of the preceding section, according to the latest official returns of the enumeration of school population of the townships or other districts which have been made to his office; and he shall also apportion the fund for each township between the races therein; but whenever the superintendent of any township or district has failed to make and return the census enumeration of his township or district, as required by law, the superintendent of education shall make the apportionment to such township or district according to the best information he can obtain as to the school population of such townships or district; but in no event shall he, in case of such failure, estimate the school population of any such district or township at more than the number shown by the last official report thereof to his office.

"As soon as the superintendent of education shall have made the apportionment of school money as hereinabove provided, he shall record the same in his office in books kept for that purpose, showing the amount which he has apportioned to each school district in the State, and specifying from what source or sources the same was derived, the amount to each race in the township, and the number of children of each race in the district upon which the apportionment was based; and he shall then furnish to each county superintendent of education a certified copy from such books, showing the dividends of educational fund to each township or district under the supervision of such county superintendent of education, and the amount so divided and certified shall be the total amount which each of such school districts shall be entitled to receive from the State, except the poll tax, during the then current scholastic year; and no contract to pay for any school or schools, for any district, more than the amount thus apportioned to it, together with such poll tax as it may receive, and such funds as may be in hand from previous years, shall be valid against the State or township." (pp. 30-31, secs. 55-57.)

#### ARKANSAS.

"He [the State superintendent] shall, on the first Monday of July and on the first Monday of January of each year, make a pro-rata apportionment to the several counties of the State of the remaining revenues in the State treasury available for distribution for school purposes, on the basis of the number of persons between the ages of six and twenty-one years residing in the said counties, respectively, on the first Monday of July previous; and he shall publish a statement of the same, and as early as practicable shall transmit a copy thereof to each county examiner, and to each of the several treasurers in the State, and to each county clerk, who shall submit the same to the county court at its next term; and he shall thereupon draw his requisition on the State auditor in favor of the treasurers of the several counties for such amounts as the said counties may be entitled to receive for the support of free common schools." (Sch. L's, 1889, p. 16.)

"The county court, immediately on receiving notice of the distributive share of school revenue apportioned by the State superintendent to each county, shall proceed to apportion to the several school districts of the county, in proportion to the number of persons between the ages of six and twenty-one years residing within the school district, respectively, on the first Monday of July previous, the said school revenue apportioned to the county, and shall forward to the county treasurer, and to each of the directors of each district, a statement of such apportionment, carefully distinguishing the sources from which the school revenue so apportioned are

derived, and the amount due each school district in the county from each separate source, and shall see that the revenues from the public-school fund are invariably paid to the county and to the school district strictly in accordance with the apportionment made to them." (Sch. L's, 1889, p. 20.)

"The said board [of district directors] shall make provision for establishing separate schools for white and colored children and youths, and shall adopt such other measures as they may judge expedient for carrying the free-school system into effectual and uniform operation throughout the State, and providing, as nearly as possible, for the education of every youth." (Sch. L's, 1889, p. 30.)

The teachers are paid by the county treasurers, on warrants of the district board of directors. (Sch. L's, 1889, p. 38.)

The reports for the years 1885-88 do not show the amounts distributed to white and colored schools separately.

#### DELAWARE.

"The levy courts in the several counties of this State are authorized and required, annually, in the month of April, to lay and apportion a tax of thirty cents in the hundred dollars, and so pro rata, upon the assessments of the real and personal property and poll of colored persons, as they shall stand upon the assessment lists of the several hundreds, which shall be set apart as a separate and distinct fund for the support and maintenance of colored schools in this State. The warrant required to be issued to the collectors of the several hundreds shall include the taxes levied under this act. The said taxes shall be collected by the collectors aforesaid, by the same process as other taxes now are, and [they shall] pay over the same as hereinafter directed.

"All moneys collected under this act shall be paid as other taxes to the county treasurer in each county, which he shall keep as a separate fund, and which shall be paid by him to the treasurer of the 'Delaware Association for the Education of Colored People;' and at the time of each and every payment he shall furnish the association with a statement showing the respective amounts received by him from the different hundreds of his county. The fund arising under the provisions of this act and paid to said association shall be applied to the support and maintenance of colored schools throughout this State, and shall be distributed by said association as follows, to wit: The said association shall take the statement furnished by the county treasurer and distribute to each hundred the amount paid to the treasurer by each hundred, under the provisions of section 1 of chapter 48, vol. 15. And in case there shall not be any school kept and maintained in any hundred during any year, the amount paid in from said hundred shall be retained and held by said association until a school or schools shall be organized and kept in each hundred, when it shall be applied toward the support of such school or schools." (Sch. L's, 1881, p. 37.)

In 1888 the State also made a direct appropriation of \$5,364 for the colored schools, which was \$1.50 for each one of the 3,570 colored children enrolled in schools. The number of white children enrolled in 1886 was 29,421; the amount of State appropriation was \$60,606.52, or \$2.06 for each child enrolled. (See Rep. 1887.)

#### FLORIDA.

"Provision shall be made by law for the distribution of the common-school fund among the several counties of the State in proportion to the number of children residing therein between the ages of four and twenty-one years." (Constitution, Art. VIII, sec. 7, as found in the Sch. L's, 1885, p. 4.)

"The superintendent of public instruction shall annually apportion the interest on the common-school fund, and the fund raised by the one-mill tax,\* authorized by sections 4 and 5 of Article VIII of the Constitution, among the several counties of the State, in proportion to the number of children residing therein between the ages of four and twenty-one." (Sch. L's, 1885, p. 8.)

The county board of public instruction is required "to apportion moneys to the different schools in proportion to the average attendance of pupils: *Provided*, That reasonable exception may be made in favor of small schools in neighborhoods where the number of youth who should attend is small and their average attendance at school ranges high." (Sch. L's, 1885, p. 10.)

The county board of public instruction are also required "to locate and maintain schools in every locality in the county where they may be needed, to accommodate, as far as practicable, all the youth between the ages of six and twenty-one years during not less than three months in each year." (Sch. L's, 1885, p. 9.)

The school reports of 1889 and 1890 do not contain tables giving the appropriations for white and colored schools separately.

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\* The one-mill tax fund is now retained in the counties. (p. 24.)



## GEORGIA.

"It shall be the duty of the State school commissioner to disburse the common-school fund in the following manner: He shall annually apportion equitably the State school revenue to the different counties of the State upon the basis of the aggregate of children between six and eighteen years of age in each county. After the annual apportionment of the State school fund has been made, and when the county school commissioner of any county shall give official notice to the State school commissioner that the common schools of his county are within three weeks of closing, the latter named officer shall execute an order on the tax collector of the county in favor of the county school commissioner for the quota of the common-school fund apportioned to the county, signing the order officially and affixing thereto his seal of office, and transmit the same to the county school commissioner." (Sch. L's, 1889, p. 7, sec. 8.)

"The State school commissioner shall send the notice of apportionment to the tax collector of each county as soon as the apportionment is made, and it shall be the duty of the tax collector to retain in his hands, of the taxes first collected, a sufficient amount to pay the sum mentioned as the county's quota in the notice of apportionment, and to pay the same to the county school commissioner as soon as the order of the State school commissioner is presented. (*Ibid.*, p. 7, sec. 9.)

"The academic and calendar or civil years shall be coincident, and it shall be the duty of the school commissioner, by the 15th day of January of each year, or as soon thereafter as practicable, to communicate to the county board of education of each county an approximate estimate, computed upon the same basis as that mentioned in section eight of this act, of the pro rata part of the State school fund falling to said county for that year, and as soon thereafter as the county board shall communicate satisfactory evidence to the State school commissioner that arrangements have been made by them, by taxation or otherwise, for continuing the common schools, free to all, in operation for at least three months in the year throughout the entire county, as hereinafter provided, said county shall be deemed and held entitled to draw her proportionate part of the State fund through the appointed channels whenever said fund is ready for distribution." (*Ibid.*, p. 18, sec. 3.)

"The apportionment of the State school fund required by the eighth section of this act shall be made by the State school commissioner each year by the first of July, or as soon thereafter as practicable, and when the funds drawn under that apportionment, as well as any other school funds raised by local taxation, are placed in the hands of any county [school] commissioner, he shall be holden for all amounts so received upon his official bond as treasurer, and shall disburse the same only upon the order of the county board of education, and the said county commissioner shall not be entitled to compensation for receiving any school funds but as provided herein." (*Ibid.*, p. 19, sec. 42.)

"It shall also be the duty of said [county] board of education to make arrangements for the instruction of the children of the white and colored races in separate schools. They shall, as far as practicable, provide the same facilities for both races in respect to attainments and abilities of teachers and length of term-time; but the children of the white and colored races shall not be taught together in any common or public school of this State." (*Ibid.*, p. 11, part of sec. 21.)

The school reports for the years 1887-1890 do not show the amounts paid to white and colored schools separately.

## KENTUCKY.

"The superintendent of education shall, on or before the first day of July in each year, ascertain and estimate for the school year the *pro rata* share each child will be entitled to, according to the whole number of children between the ages of six and twenty years in the State, and the proportion thereof each county and each school district will be entitled to according to the whole number of such children residing in each county and each school district respectively, as shown by the returns of the county superintendent. If at the time of making such estimate and apportionment the census returns of the superintendent for any county have not been made to him, he shall use the census returns made for the previous year. It shall be the duty of the auditor to furnish the superintendent of public instruction such data as may be needed in making said estimate and apportionment. It shall be the duty of the superintendent of public instruction, on or before the first day of July, to file a copy of said estimate and apportionment with the auditor, and to inform each county superintendent of the amount to which each school district of his county will be entitled. Whatever difference may exist between the estimated and the actual revenue of the school fund for any school year shall be taken into the account of the estimate and apportionment for the succeeding school year." (Sch. L's, 1886, p. 8, sec. 8.)



"The county superintendents shall pay the teachers their salaries direct, upon the certificate of the trustees that the school has been taught." (Sch. L's, 1886, p. 28, sec. 21.)

"Colored school trustees for each colored school district shall be elected at the same time and in the same manner that white trustees are elected: *Provided, however*, That no tax shall be levied upon the property or poll, or any services required of any white person for the benefit of a school for colored children, and no tax shall be levied upon the property or poll, or any services required of any colored person for the benefit of a school for white children. And no colored person shall be allowed to vote for a trustee of a white school; and no white person shall be allowed to vote for a trustee of a colored school. It shall not be lawful, under any of the provisions of this act, for any white child to attend any common school provided for colored children, or for any colored child to attend any common school provided for white children." (Sch. L's, 1886, p. 49, sec. 3.)

"By act of April 24, 1882, the annual 'capitation tax of one dollar on each male colored person above the age of twenty-one years,' for the benefit of the colored schools, was repealed by the general assembly. In view of the tax being confined to the colored people, although exclusively for the benefit of the colored schools, it had been pronounced unconstitutional by the United States district court. The abolition of this tax, which had been the most fruitful source of support to the colored schools, was the main cause of the reduction of the auditor's estimate of \$41,644.52 for the school year 1882, to \$12,007.78 for the school year 1883, which alone, not deducting the contingent expenses of the department, would have yielded a *per capita* of only \$0.13. Just at this crisis the act levying an additional 'tax of two cents on each one hundred dollars of property in this Commonwealth subject to taxation for State revenue purposes,' for the benefit of the common-school fund, equalizing the *per capita* and the school ages for the white and the colored school children, was submitted by authority of the general assembly to the qualified voters of the Commonwealth for their ratification or their rejection. The act was confirmed by the people at the polls." (Sch. Rep., 1886, p. 2.)

The apportionments have been as follows:

In 1885, to the 514,167 white children of school age, \$796,958.85; to the 97,839 colored children of school age, \$151,650.45, or \$1.55 to each white and colored child.

In 1886, to the 524,274 white children, \$865,052.10—\$1.65 for each; to the 99,654 colored children, \$164,429.10—\$1.65 for each. (Sch. Rep., 1886, pp. 21, 22.)

In 1888, to the 549,592 white children, \$1,044,224.80—\$1.90 for each; to the 107,144 colored children, \$203,573.60—\$1.90 for each.

In 1889, to the 555,822 white children, \$1,139,435.10—\$2.05 for each; to the 109,518 colored children, \$223,773.90—\$2.05 for each.

In 1890, to the 565,451 white children, \$1,215,719.65—\$2.15 for each; to the 111,355 colored children, \$239,413.25—\$2.15 for each. (Sch. Rep., 1888-89, Statis. Tables.)

#### LOUISIANA.

"The State superintendent of public education shall quarterly, on the first Monday in March, June, September, and December, in each year, apportion the funds appropriated by the general assembly for the support of the common schools of the State, among the several parishes of the State, according to the number of children between the ages of six and eighteen years in each parish: *Provided, however*, That all the poll tax collected in any parish shall be appropriated to said parish. The amount so apportioned shall be paid by the State treasurer to the school treasurer of each parish upon the warrant of the State superintendent of public education." (Act No. 81, 1888, p. 11, sec. 53.)

"The parish board of directors" shall apportion the school fund to the several districts in the parish in proportion to the number of persons in the district between the ages of six and eighteen years, and shall determine the number of schools to be opened, the location of the schoolhouses, the number of teachers to be employed, their salary; and the said school board is entrusted with seeing that the provisions of the law are complied with." (P. 2, sec. 7.)

"The parish treasurer in every parish (the parish of Orleans excepted) shall be and is constituted the treasurer of all school funds apportioned by the State to such parish, or raised, collected, or donated therein for the support of the free public schools; he shall receive and receipt for all such funds to the treasurer of the State, and to the collector of parish taxes." (P. 12, sec. 56.)

"Said treasurer [of the parish] shall pay out the school funds intrusted to his charge only on warrants drawn by the president and countersigned by the secretary of the parish school board, and shall state against what school district fund it was drawn, which warrants shall be drawn by these officers only in virtue of appropriations regularly made by the parish board." (P. 12, sec. 59.)

The school reports for the four years 1886-1889 do not show the amounts expended for white and colored schools separately.

## Average duration of white schools :

	Months.
In 1883 .....	4.75
In 1889 .....	5.50

## Average duration of colored schools :

In 1888 .....	4.55
In 1889 .....	4.72

(Sch. Rep., 1888-89, p. 147.)

## MARYLAND.

## CHAPTER XVIII.—Schools for Colored Children.

"SECTION 1. It shall be the duty of the board of county school commissioners to establish one or more public schools in each election district for all colored youth between six and twenty years of age, to which admission shall be free, and which shall be kept open as long as the other public schools of the particular county : *Provided*, The average attendance be not less than fifteen scholars.

"SEC. 2. Each colored school shall be under the direction of a special board of school trustees, to be appointed by the board of county school commissioners, and shall be subject to the same laws for its government and furnish instruction in the same branches as the schools for white children.

"SEC. 3. The comptroller shall apportion the sum appropriated for the support of the colored schools of the several counties and the city of Baltimore in proportion to their respective colored population between the ages of five and twenty years, said apportionment to be made at the time he apportions the levy for the white schools.

"SEC. 4. The total amount of taxes paid for school purposes by the colored people of any county, or in the city of Baltimore, together with any donations that may be made for the purpose, shall also be devoted to the maintenance of the schools for colored children." (Sch. L's, 1874, p. 27.)

"As soon as the comptroller shall have received from the city of Baltimore and the several counties returns of the amount of the State school tax levied in each county and the city of Baltimore, he shall immediately thereafter apportion the amount of the whole levy to the several counties and the city of Baltimore, in proportion to their respective population between the ages of five and twenty years." (Sec. 5, p. 28.)

In 1888-89 the amount of the State school tax appropriated for the 226,806 white children was \$405,001.02, which was \$1.78 for each white child; the amount appropriated for colored children was \$118,049.77, which gave \$1.72 for each one of the 68,409 colored children. It is not shown whether any part of the free-school and academic funds was given to the colored schools, but it appears that none of it was so bestowed. (Sch. Rep., 1889, p. XLIX.)

The legislature enacted in 1888 "that the sum appropriated to colored schools shall be raised from \$100,000 to \$125,000 : *Provided*, That if the amount paid into the treasury on account of the tax for public schools shall not amount to \$125,000, then the amount distributed to colored schools in excess of \$100,000 shall only be the amount paid into the treasury from said tax in excess of \$500,000." (Sch. Rep., 1888, p. X.)

The amount appropriated for the 226,806 white children in 1887-88 was \$398,744, or \$1.76 for each child; the amount appropriated for the 68,409 colored children was \$98,016.12, or \$1.43 for each child. (Sch. Rep., 1888, p. LXIV.)

## MISSISSIPPI.

"All school funds shall be divided *pro rata* among the children of school ages." (Art. 10 of Const., sec. 10.)

"The school board shall have full power to lay off or alter the school districts of the county, and they shall make separate districts for the two races. In each district thus established, one school shall be maintained for at least the constitutional period of four months in each year." (L's, 1890, p. 16, sec. 40.)

It shall be the duty of the county treasurer "to receive and receipt for all moneys on account of school funds of the county; to pay money out of the common-school fund upon the order of the county superintendent of education, approved by the board of supervisors, except in case of teachers' warrants, which shall be paid upon approval of the superintendent aforesaid, upon the warrant of the clerk." (P. 23, sec. 72.)

"The auditor of public accounts shall annually, on the second Monday in July and January, or failing therein, as soon thereafter as practicable, distribute among the several counties of the State all the common-school fund available for that purpose, said distribution to be *pro rata*, according to the number of educable children in each county, respectively." (P. 22, sec. 70.)



The school report of 1888-89 does not show what proportion of the \$300,000 distributed by the State was used for the colored schools; but of all receipts from State, county, and city taxes, poll taxes, and other sources, the colored teachers received \$341,562.86, and the white teachers \$589,400.44. The number of colored children enumerated was 272,682, and the number of white children was 191,792.

## MISSOURI.

"The State superintendent of public schools shall, annually, in the month of July, apportion the public-school fund applied for the benefit of the public schools among the different counties upon the enumeration and returns made to his office, and shall certify the amount so apportioned to the State auditor, also to the county clerk of each county, stating from what sources the same is derived, which said sum the several county treasurers shall retain in their respective county treasuries from the State fund; and the county clerks shall, annually, during the month of August, according to the enumeration and returns in their offices, proceed to apportion the school funds for their respective counties; and no district, city, or town which shall have failed to make and return such enumeration shall be entitled to receive any portion of the public-school funds; and in making such distribution each county clerk shall apportion all moneys collected on the tax duplicate of any district for the use of schools to such district, all moneys received from the State treasurer, and all moneys on account of interest of the funds accruing from the sale of section sixteen, or other lands in lieu thereof, to the district schools in the Congressional townships and parts of Congressional townships to which such land belonged, and all other moneys for the use of schools in the county and not otherwise appropriated by law, to the proper district; and he shall, immediately after making such apportionment, enter the same in a book to be kept for that purpose, and shall furnish the district clerks and those of cities or villages, as the case may be, each with a copy of said apportionment, and order the county treasurer to place such amount to the credit of the district, city, or town entitled to receive the same: *Provided, further,* That no district, city, or town that shall have failed to afford the children thereof the privileges of a free school for at least six months during the year ending the 30th day of June previous to said distribution, provided a tax of forty cents on the one hundred dollars assessed valuation together with the public funds will maintain the same, shall be entitled to any portion of the public school fund for that year.

"The county court of each county shall, at its August term in every year, apportion the county public-school moneys among the several districts in the county, according to the enumeration of the pupils resident therein." (Sch. L's, 1889, secs. 8064, 8065.)

"The county treasurer in each county shall be the treasurer of all moneys for school purposes belonging to the different districts until paid out on warrants duly issued by order of the board as authorized by this chapter, except in counties having adopted the township organization law, in which counties the township trustee shall be the treasurer of all school moneys belonging to the township, and be subject to corresponding duties as the county treasurer." (Sec. 8072.)

"Separate free schools shall be established for the education of children of African descent; and it shall hereafter be unlawful in the public schools of this State for any colored child to attend any white school, or for any white child to attend a colored school.

"When there are within any school district in this State fifteen or more colored children of school age, as shown by the last enumeration, the school board of such school district shall be, and they are hereby, authorized and required to establish and maintain within such school district a separate free school for said colored children; and the length of the school term for said colored children and the advantages and privileges thereof shall be the same as are provided for other schools of corresponding grade within such school district, and the board shall in all cases conduct, manage, and control said school as other schools of the district are conducted, managed, and controlled; and all indebtedness incurred by said board in providing suitable buildings, employing teachers, and maintaining said school shall be paid for out of the appropriate funds of the district upon warrants ordered and issued in conformity with the provisions of sections 8016 and 8017 of this chapter: *Provided,* There be no school building in such school district for said colored children, the board shall be and they are hereby authorized and required to rent suitable buildings and furnish the same, and all expenses necessarily incurred shall be paid out of any funds to the credit of the building or incidental fund of such school district. Should any school board neglect or refuse to comply with the provisions of this section, such school district shall be deprived of any part of the public funds for the next ensuing school year.

"When the number of colored children of school age residing in any school district, as shown by the last enumeration, shall be less than fifteen, they shall have the privi-



lege and are entitled to attend school in any district in the county wherein a school is maintained for colored children, and the school board of the district in which such colored children reside shall reserve a sufficient amount from the teachers' fund of such district to pay the expense thus incurred for such school year; but such colored children shall only be entitled to attend school for the same length of time that other schools of the district in which they reside are maintained, and at the end of the school term the school board of the district in which such children may have attended school shall make out and forward to the school board of the district in which such children reside an account showing the amount due for said colored children, said amount to be equal to the *pro rata* expense of such attendance, the same to be prorated according to the amount paid for teachers' wages and incidental expenses during such school term; and the school board of the district in which such children reside shall issue an order on the county or township treasurer to transfer said amount to the credit of the teachers' fund of the district in which said children attended school. Any school board neglecting or refusing to comply with the provisions of this section shall be held individually responsible for the amount due the district in which said colored children attended school." (Secs. 8002-8004.)

The school reports do not show how much of the school fund was expended for colored schools.

#### NORTH CAROLINA.

"The State board of education shall, on the first Monday in August of each and every year, apportion among the several counties of the State all the school funds which may be then in the treasury of the said board, and order a warrant for the full apportionment to each county, which said apportionment shall be made on the basis of the school population." (P. 5, sec. 2535, of *Bien. Rep.*, 1889-90.)

"Upon the receipt of the requisition of the treasurer of any county, duly approved by the chairman and secretary of the county board of education, for the school fund which may have been apportioned to said county, the State board of education shall issue its warrant on the State auditor for the sum due said county, whereupon the said auditor shall draw his warrant on the treasurer of the State board of education in favor of such county treasurer for the amount set forth in the warrant of the said State board." (*Ibid.*, p. 6, sec. 2537.)

"The State treasurer shall receive and hold as a special deposit all school funds paid into the treasury, and pay them out only on the warrant of the State auditor, issued on the order of the State board of education in favor of a county treasurer, duly indorsed by the county treasurer in whose favor it is drawn, and it shall be the only valid voucher in the hands of the State treasurer for the disbursement of school funds." (P. 6, sec. 2538.)

"The county board of education shall consult the convenience of the white residents in settling the boundaries of districts for the white schools, and of colored residents in settling boundaries for colored schools. The schools of the two races shall be separate; the districts the same in territorial limit or not, according to the convenience of the parties concerned. In cases where there are two sets of districts in a county, they shall be designated as school district number one, two, three, etc., for white schools, or school district number one, two, three, etc., for colored schools, in the county of ——" (P. 14, sec. 2550.)

"The county board of education of every county shall, on the first Monday of January of each year, apportion among the several districts of the county, designating the amount to each schoolhouse, if more than one in the district, all school funds in the following manner: First, deduct an amount sufficient to defray the general school expenses of the county authorized by law; then apportion two-thirds of the funds to the several districts in proportion to the whole number of children between the ages of six and twenty-one years, and at the same time the remaining one-third shall be apportioned in such manner as to equalize the average length of school terms for the two races as far as may be practicable, without discrimination in favor of or to the prejudice of either race. As soon as the apportionment is made the county board of education shall post a statement at the court-house door showing the amount apportioned to the several districts or schools of the county, and they shall also notify each committee of the amount apportioned to their district and to each school. The board shall also furnish the treasurer of the county board of education a statement of the amounts apportioned to the several districts and schools." (P. 14, sec. 2551.)

"The county treasurer of each county shall receive and disburse all public-school funds." (P. 17, sec. 2554.)

"All orders upon the treasurer of the county board of education for school money for the payment of teachers, and all orders for the purchase of sites for schoolhouses, and for the cost of building, repairing, and furnishing schoolhouses, shall be signed by the school committee of the district in which the school is taught, or in which the site or schoolhouse is situated, and shall be countersigned by the county superintendent of public instruction, which orders, duly indorsed by the person to whom the

same are payable, shall be the only valid vouchers in the hands of the treasurer of the county board of education, to be paid out of the funds apportioned to the district." (P. 17, sec. 2555.)

"It shall be the duty of the treasurer of the county board of education to keep a book, in which he shall open an account with each public-school district in the county, showing the amount apportioned to said district, distinguishing the moneys due to the white and the colored districts, the date of all payments of school moneys, the name of the person to whom paid and the several amounts. He shall balance the accounts of each district annually, on the thirtieth day of June in each and every year, and shall report by letter or printed circular, within ten days after each apportionment, to each school committee, the amount apportioned to the respective districts for the year, together with the balance which may be due any of the said districts from the preceding year." (P. 18, sec. 2556.)

"Between the ages of six and twenty-one years we had by last census 536,663 children—370,144 white and 216,524 colored. This shows 63 per cent. to be white and 37 per cent. colored, or about five-eighths white and three-eighths colored.

"In 1890 we spent for the whites \$475,177.63, and for the colored \$242,047.77. This shows 66 per cent. of the funds spent for the whites and 34 per cent. for the colored. The average amount on each child throughout the State is \$1.22, and on the total population only 44 cents." (Supt.'s Rep., 1890, p. XLVII.)

The expenditures above named include the sums received for poll taxes, local taxes, etc., some of which are not required to be distributed according to the regulations mentioned.

Of the amount *apportioned* to the schools, the white schools received \$357,439.33, and the colored schools received \$175,829.43; this gives 97 cents for each white child and 81 cents for each colored child. (P. 57.)

The amount received from poll taxes forms part of the State fund and is distributed in like manner.

In 1888-89 the total school expenditures for white and colored children of funds received from all sources, State and local, omitting cost of supervision and treasurer's commissions were as follows:

	Whites.	Colored.
Tuition .....	\$283, 665. 74	\$143, 106. 94
Houses and sites .....	34, 599. 98	17, 026. 06
County institutes .....	445. 97	249. 50
Total .....	318, 711. 69	160, 382. 50

The amount therefore expended for each of the 363,982 white children was 88 cents, and the amount expended for each of the 216,837 colored children was 74 cents.

## SOUTH CAROLINA.

"He [county school commissioner] shall annually, on the first day of February, or as soon as practicable thereafter, apportion the income of the county school fund among the several school districts of his county in proportion to the average number of pupils attending the free public schools in each district, and he shall certify such apportionment to the county treasurer." (P. 12, sec. 1002 of Sch. L's, 1889; also p. 19, sec. 1015.)

"The several county treasurers shall retain all the poll tax collected in their respective counties, and it is hereby made the duty of the said county treasurers in collecting the poll tax to keep an account of the exact amount of said tax collected in each school district in his county, and the city of Charleston shall, for the purposes of this section, be deemed a school district, and the county treasurer shall pay over to the city board of school commissioners the amount of poll tax collected in said city, and the poll tax collected therein shall be expended for school purposes in the school district from which it was collected." (P. 22, sec. 1021.)

"It shall be the duty of each county treasurer to report monthly, on the fifteenth day of each month, to the county school commissioner of his county, the amount of collections and disbursements made by him for the month on account of poll tax and all other school funds." (Sec. 1022.)

"The board of trustees in each school district shall take the management and control of the local educational interests of the same, subject to the supervision of the county board of examiners, and shall visit each school at least once in every school term." (P. 17, sec. 1010.)

The school reports for the years 1888 to 1890 do not show the amounts paid to white and colored schools separately.



## TENNESSEE.

"All moneys in the treasury of the State for the annual support of her schools on the first Monday in October and April of every year shall be apportioned by the comptroller among the several counties according to their scholastic population as reported to him by the State superintendent. He shall give immediate notice of such apportionment to the county trustee of each county, and shall give notice in some newspaper at the seat of government of the amount apportioned to each county. He shall issue his warrant on the treasurer in favor of the county trustee of each county for the amount apportioned to such county and transmit the warrant to such trustee." (P. 17, sec. 42 of Sch. L's, 1889.)

"When the money derived from the school fund and taxes imposed by the State on the counties shall not be sufficient to keep up a public school for five months in the year in the school districts in the county, the county courts shall levy an additional tax sufficient for this purpose, or shall submit the proposition to a vote of the people, and may levy a tax to prolong the schools beyond the five months, said tax to be levied on all property, polls, and privileges liable to taxation, but shall not exceed the entire State tax."

"Taxes so levied by the county shall be collected in the same manner as other county taxes, and shall be paid over to the county trustee for distribution among the school districts of the county according to their scholastic population." (P. 17, secs. 39, 40.)

"Every male inhabitant in the State subject thereto shall pay a poll tax of one dollar for the support of the public schools, which shall be collected as other taxes are, and paid over to the county trustee in the county where collected, and distributed therein to each school district according to scholastic population." (P. 16, sec. 36.)

"A tax of one and one-half mills on the dollar shall be, and is hereby, annually assessed upon all property subject to taxation, for the support of the public schools, which shall be collected as other taxes are, and paid over to the county trustee in the county where collected, and distributed therein to each school district according to scholastic population." (P. 16, sec. 38.)

It is the duty of the district directors "to use the school fund apportioned to their district, derived from donations or other sources, in such manner as will promote the interest of public schools in their respective districts." (Sec. 5, p. 10.)

"To keep separate and apart schools for white and colored children." (Sec. 9.)

"The public schools shall be free to all persons between the ages of six and twenty-one years residing within the school district, and in special cases those children residing in different districts may be educated in schools under such regulations as may be prescribed by the directors of the district interested: *Provided*, That white and colored persons shall not be taught in the same school, but in separate schools, under the same general regulations as to management, usefulness, and efficiency." (P. 14, sec. 30.)

The school reports for the years 1887 to 1889 do not show the amounts apportioned to white and colored schools separately.

## TEXAS.

"Separate schools shall be provided for the white and colored children, and impartial provision shall be made for both." (P. 4, sec. 7 of Sch. L's, 1889.)

"All available public-school funds of this State shall be appropriated in each county for the education alike of white and colored children, and each race shall receive its just pro rata according to scholastic census." (P. 7, sec. 3.)

"The State board of education shall, on or before the fifteenth day of July of each year, make an apportionment of the available school fund among the several counties of the State, and to the several cities and towns constituting separate school organizations, according to the scholastic population of each, and the State superintendent shall deliver an abstract of such apportionment to the comptroller and to each county judge and mayor of each city or town that has control of the public schools, a statement of the amount apportioned to their county, city, or town, as the case may be, and he shall issue to the county treasurer of each county, and to the city treasurer of any city or town having control of the public school, a certificate for the amount of the available school fund so apportioned to each county, city, or town, which certificate shall be signed by the governor as president of the board of education, countersigned by the comptroller of public accounts, and attested by the secretary." (P. 10, sec. 3.)

"The State treasurer shall receive and hold as a special deposit all moneys belonging to the available school fund and keep an account of the several sources from which they accrue. He shall open and keep an account with every county, city, or town in the State to which the board of education issues a certificate, (showing there



to be entitled to receive any portion of the available free-school fund), wherein he shall credit each such county, city, or town with the amount apportioned to them by such certificate, and duplicates of all such certificates shall be furnished the State treasurer at the time of the issuance thereof by the board of education." (P. 11, sec. 3.)

"The treasurers of the several counties shall be treasurers of the available public free-school fund for their respective counties." (P. 14, sec. 7.)

"The county judge, upon the receipt of the certificate issued by the board of education for the State fund belonging to his county, shall add thereto the county fund, if any, and deduct the amount estimated as his compensation and the commission of the treasurer and any other lawful expenses against said funds, and shall apportion the remainder to the several school districts or communities as per scholastic census." (P. 14, sec. 6.)

"Trustees shall make contracts with teachers, and in making them shall base their contract with the teachers on the basis of the number of pupils within scholastic age registered in the community: *Provided, however,* That should the attendance fall below thirty-three and one-third per cent. of the registered pupils in such community, the trustees thereof may discontinue the school.

"Trustees in making contracts with teachers shall determine the salary to be allowed, or wages to be paid, upon the following rates of tuition: To teachers holding a first-class certificate, not more than two dollars and fifty cents; to those holding a second-class certificate, not more than two dollars; and to such as hold a third-class certificate, not more than one dollar and fifty cents per month per capita shall be allowed for pupils within the scholastic age." (P. 21, secs. 5, 6.)

"School trustees shall determine how many schools shall be maintained in their respective school districts or communities, and at what points they shall be located; they shall determine when the schools shall be opened and when closed; they shall contract with teachers and manage and supervise the schools, subject to the rules and regulations of the county judge and State superintendent." (P. 22, sec. 7.)

"White and colored children shall not be taught in the same schools, but the colored children shall receive the benefit, as far as practicable, of the public-school fund, and the funds set aside in any district or community for colored children shall not be used for the education of white children, nor shall the public-school fund set aside in any district or community for white children be used for the education of colored children." (P. 23, sec. 12.)

Separate communities may be formed for the education of colored children; in which case the apportionment of school funds to such communities is made directly by the county judge. (See p. 19, sec. 4.)

The school reports for the years 1836-83 do not show the amounts used for white and colored schools separately.

#### VIRGINIA.

The superintendent of public instruction "shall annually, and as often besides as he may deem necessary, prepare a scheme for apportioning the money appropriated by the State for public free-school purposes among the several counties and cities, on the basis of the number of children between the ages of five and twenty-one years in each school district, as ascertained from the census of the previous year, or in default of that, from the latest and best official authority accessible to him. This scheme shall be accompanied by summaries of the data on which the same is founded, and when approved by the board of education a copy thereof and of the summaries aforesaid shall be furnished to the second auditor, to each county superintendent of schools, and to each county treasurer." (Sch. L's, 1883, p. 36, sec. 30.)

The county superintendent shall "prepare annually, and at such other times as may be necessary, under direction from the superintendent of public instruction, a scheme for apportioning the State and county school funds among the school districts within each county under his supervision, a copy of which scheme shall be furnished to the county treasurer and to the clerk of each school district, and also to the editor of each newspaper which may be published within the county." (Sec. 39.)

"The public free schools shall be free to all persons between the ages of five and twenty-one years residing within the school district: \* \* \* *Provided,* That white and colored persons shall not be taught in the same school, but in separate schools, under the same general regulations as to management, usefulness, and efficiency; and any violation of these regulations which will impair the efficiency of the schools, or any discrimination in the pay of teachers in the same grade of schools in any school district, shall be deemed sufficient cause for the removal of the county school superintendent by the board of education." (P. 52, sec. 105.)

"In due time before the opening of schools in the next school year it shall be the duty of each district school board to determine by specified boundaries what shall be the area to be attached to each school-house for whites and to each school-house for

blacks. These areas shall be called subdistricts, and their boundaries may be changed, from time to time, at the discretion of the district board. The subdistricts for the whites shall be numbered with cardinal numbers, and the subdistricts for the blacks shall be lettered with capital letters. A full record of the subdistricting shall be made in the record book of the district." (Sec. 151.)

"In cases where subdistricts have been made to include territory which before belonged to other districts, either in or out of the county, it shall be the duty of the clerk of the board of district school trustees, as soon as may be after the subdistricting shall have been completed and before any apportionment of school money shall have been made, to take a census, in the usual form, of the school population in any such addition of territory. One copy of such census shall be furnished to the board of trustees of the district to which the territory has been added, and another to the board of trustees of the district from which the territory has been taken; and after the correctness of the census shall have been established, due report thereof shall be made to the county superintendent or superintendents concerned, and also to the superintendent of public instruction in cases where the school population of counties is affected; and thereafter all apportionments of school money shall be made in accordance with the results thus obtained." (Sec. 156.)

"All school moneys to be disbursed in any county shall be received, kept, and disbursed by the county treasurer thereof, subject to similar responsibility as in case of other funds by law committed to him." (Sec. 130.)

The Virginia school reports do not show the appropriations for white and colored schools separately.

#### WEST VIRGINIA.

The general school fund "shall be distributed to the several counties in the State in proportion to the number of youth therein, according to the latest enumeration made for school purposes." (Sch. L's, 1883, p. 37, sec. 60.)

"It shall be the duty of the auditor, on or before the tenth day of June, in each year, to ascertain the amount which is distributable among the several counties as aforesaid, and notify the State superintendent of free schools thereof, who shall thereupon ascertain the proper share of each county, and notify the auditor and each county superintendent; also the amount deducted by the auditor from the share of his county on account of salary paid the county superintendent, as required by section fifty-four, which amount the county superintendent shall also deduct from the share of his county before making his distribution of the same among the several districts thereof. Upon receiving such notice the county superintendent shall ascertain the proper share of each district and independent school district of his county, according to the number of youths therein, and give notice to the board of education of each district and independent school district in the county of the amount of general school fund due each, respectively, and that the same can not be drawn by them until they have made the levy required by the fortieth section of this chapter." (Sec. 61.)

"The boards of education of the several districts shall hold their first meeting for each school year on the first Monday in July. At this meeting they shall determine the number of months the school shall be held in the district, the number of teachers that may be employed in the several subdistricts, and fix the salaries that shall be paid to the teachers. In determining the salaries they shall have regard to the grade of teachers' certificates, fixing to each grade the salary that shall be paid to teachers of said grades in the several subdistricts." (Sec. 6.)

The attorney-general held that the above section requires that *all* the teachers in any district holding certificates of the same grade must be paid the same salary. (See p. 57.)

"White and colored persons shall not be taught in the same school; but to afford to colored children the benefits of a free-school education, it shall be the duty of the trustees of every subdistrict to establish therein one or more primary schools for colored persons between the ages of six and twenty-one years whenever the number of such persons residing therein, and between the ages aforesaid, exceeds fifteen, according to the enumeration made for school purposes. The trustees of two or more subdistricts, whether in the same or adjoining districts or counties, may, by agreement with each other, join in establishing a primary school for colored children residing in said subdistricts, and such school so established shall be subject to the same regulations as are provided for the schools for white children in section twelve of this chapter.

"Whenever, in any school district, the benefit of a free-school education is not secured to the colored children residing therein, in the manner mentioned in the preceding section, the fund applicable to the support of free schools in such subdistrict, whether received from the State or local taxation, shall be divided by the board of education in the proportion which the number of colored children bears to the number of white children therein, according to the latest enumeration made for school purposes; and the share of the former shall be set apart for the education of colored

persons of the proper age residing in such subdistrict or district, and be applied for that purpose from time to time in such way as the board of education of the district may deem best. Any board of education failing to comply with this section may be compelled to do so by the circuit court of the county by mandamus."

The school reports of West Virginia do not state the amounts appropriated for white and colored schools separately, but the amounts paid white and colored teachers are given:

	Enumera- tion (6-21).	Paid teachers.	Amount per child.
1886.			
White .....	233,032	\$644,177	\$2.76
Colored .....	9,720	26,331	2.70
1887.			
White .....	239,340	679,921	2.84
Colored .....	9,838	27,618	2.80
1888.			
White .....	245,934	748,368	3.04
Colored .....	10,426	32,374	3.10



## CHAPTER XXXIII.

### STATISTICS OF PUBLIC ELEMENTARY SCHOOLS IN FOREIGN COUNTRIES.

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#### REMARKS UPON THE TABLE.

The following table presents the statistics of public elementary schools, excluding infant schools, in countries whose official reports have been received in this Office.

*Statistics of enrollment.*—The totals of enrollment, column 5, must not be understood as including all children receiving elementary instruction; it is simply the number of children who have availed themselves of the public-school provision. An endeavor has been made in another part of this Report (pp. 76, 77) to show the number of children receiving instruction from all sources in several countries.

While in many countries very nearly the whole school population resorts to public schools, in other countries parochial or church schools bear an equal or possibly even greater part in the work; private nonparochial schools patronized by the wealthy exist in all countries, and in all home instruction supplies the place of school instruction for a small percentage of the population. In Great Britain it is assumed that one-seventh of the population will depend wholly upon private agencies for instruction, and the remaining six-sevenths are made the basis for estimating the amount of public-school accommodation to be supplied.

It is extremely difficult to deal with the statistics reported officially for Austria on account of the various classes of schools which participate in the work of elementary instruction. The official report presents the educational status of the entire school population; that is, the youth six to fourteen years of age. The total number is given as 3,295,552. The number reported as attending the public *Volksschulen*, i. e., people's schools, is used in the table before us. In addition to this number, viz., 2,748,347, there were in private *Volksschulen* 107,627, and in small elementary schools 1,695 pupils. There were also 50,628 youths of school age in attendance upon higher *Volksschulen*, or receiving instruction at home; 365,218 children are said to have been without instruction; leaving a small percentage who are classed as incapacitated by reason of bodily or mental infirmity.

For Great Britain and France enrollment in church schools is included in column 5 of the table. In the former these schools share with board schools in the public grant and are classed as public elementary schools; in the latter they are under the supervision of the Government, although not supported by public funds. The official reports for Ireland give the total enrollment, including all children who have made a single attendance upon the schools during the year. For 1888 this number was 1,060,895. The enrollment, as given in the table, includes only the pupils who may be presented for examination, and in respect of whom grants may be claimed; that is, pupils who made at least one attendance within the last 14 days preceding the Government examination.

The conflict between church and state authorities in several countries, notably in Belgium and the Netherlands, has caused great fluctuations in the attendance in public or state schools in recent years. For instance the enrollment for Belgium is very nearly double that reported in 1884-85 (*vide Rep. of Commissioner, 1886-87*).

The triumph of the antiliberal party in 1884 caused a radical change in the school policy. A new school law was passed allowing church schools to share in the public funds upon certain conditions, and in many ways strengthening the influence of the clergy in educational affairs. The result was a decline in public-school attendance, which is now, however, again upon the increase.

*Teachers.*—Pupil-teachers are employed in England and Wales, Scotland, New South Wales, and Japan, and are included in the totals of teachers for those countries.

*Financial statistics*—The expenditures given in column 16 of the table relate to the schools comprised in the table. The chief item in these expenditures is always the amount paid for teachers' salaries. In addition to this and incidental expenses, viz, the cost of books and material supplies, the costs of inspection, compulsion, and other administrative expenses are included in column 16. The totals presented in this column do not in every case comprise the entire amount given in the original reports under the head of expenditure for primary education. The differences arise in some cases from the fact that appropriations for special purposes, as pension funds, scholarship funds, etc., included in the original reports, are excluded from the totals here used. In other cases the original reports have classed as elementary, schools that do not come within the scope of this table, as infant schools, normal schools, etc. The expenditures for these have been subtracted from the totals used in column 16, excepting in the case of Belgium, whose reports do not give an itemized statement. Here expenditure for normal schools is included in the total for primary instruction. It should be observed that by far the larger proportion of the amounts expended always goes for teachers' salaries and the current incidental expenditures common to all systems. The special expenditures included for a few countries do not materially affect the relative bearing of the facts.

## Statistics of public elementary education in foreign countries.

Countries.	Population.		Popula- tion to square mile.	Name and title of chief officer of education.	
	Number.	Date.			
<b>I</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
Austria-Hungary—					
Austria.....	23,447,192	1887	202.30	Dr. Paul Gautsach von Frankenthurn, minister of public instruction and ecclesiastical affairs.	
Hungary.....	16,901,023	1887	135.16	Dr. August Grefort, minister of education and public worship; Count Albin Csaky appointed in 1883.	
Belgium.....	5,974,743	1887	525.34	M. J. Thonissen, minister of the interior and of instruction; M. J. Devolder in 1889. Succeeded by M. Melot, and in 1891 by M. J. de Burlet.	
Denmark.....					
France.....	37,930,759	1886	186.00	Ministre de l'instruction publique et des beaux-arts, M. Berthelot, from December 11, 1886, to May 30, 1887; M. Spuller, May 30 to December 12, 1887; M. Leopold Faye, December 12, 1887, to April 3, 1888; M. Edouard Lockroy, April 3, 1888 to February 28, 1889; M. A. Fallières, from February 28, 1889, to March 17, 1890; M. Léon Bourgeois, March 17, 1890.	
Germany—					
Bavaria.....	5,416,180	1885	184.38	Dr. L. A. von Müller, minister of public instruction since 1889.	
Bremen (free city).....	165,255	1885	1,686.00	Dr. A. Pauli (senator), chief officer.	
Hamburg (free city).....	518,620	1885	282.40	Dr. G. H. Kirchenpauer (senator), presiding officer.	
Lübeck.....	67,638	1885	545.62	Dr. G. Brehmer, chairman of the supreme school council.	
Prussia.....	28,318,470	1885	207.00	Herr von Gossler, minister of public worship, instruction, and medical affairs until spring of 1891.	
Saxony.....	3,182,003	1885	549.09	Dr. C. F. W. von Gerber, minister of state and chief of the department of ecclesiastical affairs and public instruction; director, F. F. Petzholdt.	
Württemberg.....	1,995,185	1885	265.00	Dr. von Silcher, ministerial director and president of the department of ecclesiastical affairs and public instruction.	
Great Britain—					
England and Wales.....	28,628,804	1888	492.00	Committee of council on education; Lord president for England and Scotland, Viscount Cranbrook; vice-president for England, Sir W. Hart Dyke; vice-president for Scotland, Marquess Lothian.	
Scotland.....	4,024,681	1888	135.00	Commissioners of national education in Ireland.	
Ireland.....	4,837,352	1887	149.00		
Greece.....	2,200,000	1879	110.32		
Italy.....	28,439,628	1881	250.00	Michele Coppino, minister of public instruction; Paolo Boselli appointed 1888. Succeeded by P. Villari in February, 1891.	
Montenegro.....					
Netherlands.....	4,450,870	1887	352.00	Dr. J. Heenskerk, minister of the interior.	
Norway.....	1,806,900	1875	15.00	J. A. Bonnevie, chief officer of department of ecclesiastical affairs and public instruction in 1889.	
Portugal.....	4,708,178	1881	138.32	Souhor Luciano de Castro Corte Real, minister of the interior.	
Romania.....					
Russia.....	102,970,831	1882	11.90	Actual Privy Councillor Delyanoff, presiding officer. Succeeded by Mr. Pobedonozzeff in 1891.	
Finland.....	2,203,358	1885	15.27	Dr. L. Lindeloff, superior director of schools. Dr. G. Z. Yrjö-Koskinen, officer in charge of ecclesiastical affairs and public instruction in 1890.	
Servia.....					
Spain.....	17,258,404	1887	88.00	Señor Castillo, minister of the interior. Señor de Isasa, minister of public instruction, agriculture, and commerce in 1891.	
Sweden.....	4,682,769	1885	27.38	Carl Gustaf Hammarskjöld, minister of education and ecclesiastical affairs; Gunnar Wennerberg in 1889.	



Switzerland.....	2,957,527	1887	186.10	K. M. Chatfield, director of public instruction.
British India.....	208,137,044	1887	10.45	R. G. Hodgson, officiating director of public instruction.
Bombay Presidency.....	10,454,414	1881	223.10	Arinori Mori, minister of public instruction; Yoshikawara Akinasa appointed in 1890.
Lower Burma.....	3,736,771	1881	43.00	Laungthi Dale, superintendent-general of education.
Japan.....	38,507,177	1887	261.00	Abderahman Kouhdi Pacha, minister of public works and temporarily of public instruction; Aly Monbarek Pacha in 1889.
Cape of Good Hope.....	38,350,000	1887	1.59	
Egypt.....	6,806,381	1882	525.00	
Canada—				
British Columbia.....	49,459	1881	.14	S. D. Pope, superintendent of education.
Manitoba.....	65,954	1881	.50	J. B. Somersel, superintendent of education. Protestant schools.
New Brunswick.....	323,182	1883	12.00	William Crockett, chief superintendent of education.
Newfoundland.....	197,335	1884	5.00	Jas. J. Wickham, superintendent Roman Catholic schools.
Nova Scotia.....	440,572	1881	21.00	David Allison, superintendent of education.
Ontario.....	1,923,228	1881	19.00	George W. Ross, minister of education.
Prince Edward Island.....	108,891	1881	51.00	D. Montgomery, chief superintendent of education.
Quebec.....	1,350,027	1881	7.00	Hon. Gideon Olinet, superintendent of public instruction.
Mexico.....	10,447,974	1882	14.00	
Jamaica.....	538,583	1881	132.36	Thomas Capper, inspector of schools
Trinidad.....	178,270	1886	98.00	R. J. L. Guppy, superintendent of education.
Costa Rica.....	196,270	1886	9.00	Don Mauro Fernandez, minister of commerce, agriculture, finance, and public instruction; Dr. P. J. Valverde in 1891.
Guatemala.....	1,394,233	1888	30.00	M. A. Herrera, presiding officer; L. A. Estrada in 1889; V. Munoz in 1890.
Nicaragua.....	275,815	1883	6.00	Don Joaquin Elizondo, minister of the interior and of war, in charge of foreign affairs and public instruction.
Argentine Republic.....	3,894,965	1887	3.46	Dr. D. Filenón Posse, minister of justice, worship, and public instruction, succeeded by Dr. J. Gutierrez; Dr. J. A. Ojeda, presiding officer in 1889; Dr. Benjamin Zorrilla,* president of the national council of education.
Brazil.....	12,922,375	1885	4.14	Dr. M. de N. Machado Portella, minister of the interior; B. Constant de Magalhães, minister of public instruction in 1890.
Chili.....	2,527,320	1885	8.59	Señor P. L. Cuadrio, minister of justice, worship, and public instruction; F. P. Borne in 1889.
Colombia.....	3,878,600	1884	7.68	D. O. Canacheo, presiding officer; D. Ospina, in 1889; J. Casas Rojas, minister of public instruction.
Uruguay.....	632,250	1886	8.75	Dr. Drivinso Terra, minister of justice, ecclesiastical affairs, and public instruction; Dr. M. Bertrando in 1889, succeeded by Dr. C. Barro; Jacob A. Varela, inspector of primary instruction.
Venezuela.....	2,121,988	1884	3.00	Albino Gaitica, minister of public instruction; E. Blanco in 1890.
Surinam (colony of Netherlands).....	57,141	1887	1.24	H. D. Benjamin, inspector of instruction.
Hawaii.....	50,575	1884	12.00	H. D. Benjamin, inspector of instruction.
Maine this.....	301,404	1885	510.45	D. J. Anderson, superintendent of schools.
New South Wales.....	1,042,919	1887	3.35	J. B. Carruthers, minister of public instruction.
Queensland.....	356,940	1888	.54	B. B. Moreton, secretary for public instruction, 1887-88; Hon. J. Donaldson in 1889.
South Australia.....	317,446	1887	.35	J. C. F. Johnson, minister of education.
Victoria.....	1,069,419	1888	1.21	Charles Henry Pearson, minister of instruction.
West Australia.....	42,488	1887	.04	W. Adkinson, inspector of schools.
New Zealand.....	578,482	1886	5.00	George Fisher, minister of education; since January 24, 1891, R. Reeves.
Tasmania.....	133,791	1885	5.00	E. N. C. Braddon, 1887-88, minister of education.

a Estimated.

\* Deceased in 1891.

	Countries.	Date of report.	Enrollment in elementary schools.				Average attendance.	
			Boys.	Girls.	Total.	Ratio to total population.	Total.	Ratio to enrollment.
	1	2	3	4	5	6	7	8
1	Austria-Hungary :					<i>Per ct.</i>		<i>Per ct.</i>
2	Austria .....	1886-87	1,407,381	1,340,962	2,748,347	11.72	.....	.....
3	Hungary .....	1886-87	.....	.....	1,872,095	11.07	.....	.....
4	Belgium .....	1887-88	331,424	272,644	604,068	10.11	.....	.....
5	France .....	1887	2,789,685	2,736,680	5,526,365	11.58	.....	.....
6	Germany :							
7	Bavaria .....	1884-85	412,518	430,110	842,628	15.55	.....	.....
8	Bremen (free city) .....	1888-89	13,353	11,553	24,906	14.10	.....	.....
9	Hamburg (free city) .....	1887-88	31,232	31,130	61,362	11.80	.....	.....
10	Lübeck .....	1888-89	4,474	4,106	8,580	12.68	.....	.....
11	Prussia .....	1886-87	2,475,068	2,498,116	4,973,184	17.56	.....	.....
12	Saxony .....	1888-89	284,033	294,761	578,794	18.20	.....	.....
13	Württemberg .....	1888-89	155,153	170,067	325,220	16.30	.....	.....
14	Great Britain :							
15	England and Wales....	1888	.....	.....	4,714,026	10.46	3,633,094	77.06
16	Scotland .....	1888	.....	.....	641,540	15.94	496,239	77.35
17	Ireland .....	1888	c351,283	c359,752	c711,035	c14.69	493,883	{ 46.08 } { c69.40 }
18	Greece .....	1884-85	.....	.....	118,480	5.38	.....	.....
19	Italy .....	1885-86	1,049,640	899,398	1,949,038	6.84	.....	.....
20	Netherlands .....	1888	326,169	300,345	526,514	11.82	.....	.....
21	Norway .....	1886-87	.....	.....	218,408	5.98	.....	.....
22	Portugal .....	1885	.....	.....	177,372	3.76	.....	.....
23	Russia .....	1885	1,004,480	278,693	1,283,173	1.24	.....	.....
24	Finland .....	1868	d32,254	d27,245	{ d59,499 } { e152,376 }	9.61	.....	.....
25	Spain .....	1885	886,850	665,585	1,552,434	9.15	1,057,277	68.10
26	Sweden .....	1885	.....	.....	693,680	14.81	.....	.....
27	Switzerland .....	1887	234,161	233,436	467,597	15.81	.....	.....
28	British India .....	1885-86	.....	.....	2,811,934	1.04	.....	.....
29	Bombay Presidency .....	1887-88	409,164	45,809	454,973	2.76	.....	.....
30	Lower Burmah .....	1887-88	.....	.....	111,656	2.98	.....	.....
31	Japan .....	1887	1,966,944	794,929	2,761,873	7.17	1,795,589	65.01
32	Algeria .....	1887	.....	.....	{ f60,541 } { g10,013 }	1.80	.....	.....
33	Cape of Good Hope .....	1888	.....	.....	85,080	24.30	44,947	52.82
34	Egypt .....	1887-88	.....	.....	3,387	0.04	.....	.....
35	Canada :							
36	British Columbia .....	1887-88	.....	.....	6,372	12.88	3,093	48.54
37	Manitoba .....	1886	9,041	7,885	16,926	25.66	8,128	48.02
38	New Brunswick .....	1888	.....	.....	69,063	20.72	31,169	11.76
39	Newfoundland .....	1887-88	.....	.....	9,017	4.56	4,533	50.27
40	Nova Scotia .....	1888	.....	.....	105,231	23.88	46,790	44.46
41	Ontario .....	1888	259,485	235,838	495,323	25.75	245,789	49.62
42	Prince Edward Island .....	1883	12,438	10,040	22,478	20.64	12,248	54.48
43	Quebec .....	1888-89	109,437	110,707	220,144	j16.20	161,379	73.30
44	Mexico .....	1888	393,142	150,835	543,977	5.20	.....	.....
45	Jamaica .....	1887	.....	.....	62,424	10.66	.....	.....
46	Trinidad .....	1888	.....	.....	15,969	8.95	11,000	68.88
47	Costa Rica .....	1885	7,355	6,058	13,413	6.83	.....	.....
48	Guatemala .....	1888	29,358	15,727	45,085	3.23	.....	.....
49	Nicaragua .....	1885-86	.....	.....	13,660	4.95	.....	.....
50	Argentine Republic .....	1887-88	112,478	96,425	208,903	5.36	176,259	84.37
51	Brazil .....	1885	.....	.....	1435,997	5.37	.....	.....
52	Colombia .....	1887-88	46,108	27,092	73,200	1.87	.....	.....
53	Chili .....	1887	.....	.....	81,362	3.21	.....	.....
54	Uruguay .....	1887	.....	.....	30,572	4.83	.....	.....
55	Venezuela .....	1886	.....	.....	99,466	4.68	.....	.....

a Not including infant schools (écoles maternelles).

b For public elementary only, the enrollment in these being 4,444,568.

c Attendance for results period see p. 1440.

d Volksschulen.

e Ambulatory schools.

f Public.

# STATISTICS OF EDUCATION IN FOREIGN COUNTRIES. 1445

education in foreign countries.

Number of teachers.			Ratio of pupils to teachers.		Current expenditures.				
Male.	Female.	Total.	Number of enrolled pupils to each teacher.	Average number in attendance to each teacher.	Salaries.	Incidentals.	Total.	Per capita of enrollment.	Per capita of population.
9	10	11	12	13	14	15	16	17	18
44,261	12,075	57,236	48	.....	.....	.....	.....	.....	1
21,132	3,016	24,148	77	.....	\$3,915,059	\$1,323,898	\$5,336,937	\$2.85	\$0.31
6,350	4,773	11,123	54	.....	.....	.....	5,465,853	.....	.91
63,152	73,663	136,815	40	.....	622,592,204	.....	624,509,174	65.51	.65
17,239	4,691	21,930	38	.....	.....	.....	3,420,322	4.05	.63
321	152	473	52	.....	.....	.....	219,967	8.83	1.33
935	444	1,379	44	.....	594,572	.....	708,656	11.54	1.36
114	52	166	51	.....	64,665	.....	100,741	11.74	1.48
62,468	8,054	70,522	70	.....	17,969,984	.....	30,326,642	6.09	1.07
7,689	2,413	10,102	57	.....	.....	.....	4,500,000	7.00	1.41
.....	.....	.....	.....	.....	.....	.....	.....	.....	11
(29,801)	.....	98,584	47	37	27,297,176	7,570,695	34,867,871	7.39	1.21
22,966	45,697	.....	52	40	4,238,398	1,023,811	5,262,208	8.20	1.30
(3,924)	4,655	12,432	41	22	.....	.....	4,147,715	{ 3.90 } { 65.83 }	.85
3,853	9,563	17,227	46	.....	.....	.....	564,525	4.76	.25
17,983	23,814	41,797	57	.....	3,544,335	.....	10,424,469	5.34	.36
3,462	312	3,774	.....	.....	529,007	.....	4,595,937	8.72	1.03
.....	.....	.....	.....	.....	.....	.....	713,094	3.26	.39
.....	.....	.....	.....	.....	.....	.....	1,065,821	6.00	.22
.....	.....	.....	.....	.....	.....	.....	2,105,329	1.64	.02
d551	d662	d1,213	d48	42	3,614,156	1,295,325	d711,683	d12.00	.32
.....	.....	25,271	61	.....	.....	.....	4,909,481	3.16	.28
.....	.....	12,390	55	.....	.....	.....	3,046,183	4.39	.65
6,128	2,690	9,018	52	.....	.....	.....	3,371,314	7.20	1.13
.....	.....	.....	.....	.....	.....	.....	8,304,000	3.00	.03
.....	.....	.....	.....	.....	.....	.....	790,159	1.73	.04
75,599	3,316	78,915	34	22	.....	.....	121,713	1.09	.03
.....	.....	{ f1,478 } { g362 }	67	.....	445,367	.....	6,927,777	2.50	.17
828	879	1,707	49	26	.....	.....	536,771	13.72	.....
.....	.....	155	21	.....	.....	.....	953,834	11.21	2.72
.....	.....	.....	.....	.....	.....	.....	102,883	30.36	.01
65	59	124	51	24	88,287	7,091	99,902	15.67	2.01
.....	.....	.....	.....	.....	168,042	.....	218,310	12.89	3.31
432	1,181	1,613	42	19	.....	.....	406,252	5.88	1.21
63	123	186	48	24	19,666	1,566	21,232	2.35	0.10
579	1,553	2,132	49	21	.....	.....	617,879	5.87	1.40
2,824	4,972	7,796	63	31	2,521,537	761,856	3,283,392	6.63	1.70
263	246	509	44	24	97,188	.....	131,169	5.83	1.20
.....	.....	6,481	24	25	.....	.....	k1,472,439	.....	39
.....	.....	1,016	61	.....	.....	.....	2,779,130	5.10	.26
.....	.....	178	89	61	.....	.....	133,289	2.13	.23
161	149	310	43	.....	.....	.....	100,693	6.30	.56
764	429	1,191	37	.....	.....	.....	316,129	7.01	.22
.....	.....	213	64	.....	.....	.....	.....	.....	45
2,490	3,132	5,622	37	31	.....	.....	5,169,655	24.74	1.32
.....	.....	.....	.....	.....	.....	.....	668,725	9.13	.17
.....	.....	.....	.....	.....	.....	.....	.....	.....	47
.....	.....	673	45	.....	.....	.....	484,689	15.85	.76
.....	.....	2,279	43	.....	.....	.....	400,849	46.00	.21

g Private.

h Protestant only.

i Roman Catholic schools only.

j Census of 1881.

k Small proportion for secondary and superior schools.

l Includes pupils in private schools and colleges.



*Statistics of public elementary education,*

	Countries.	Date of report.	Enrollment in elementary schools.				Average attendance.	
			Boys.	Girls.	Total.	Ratio to total population.	Total.	Ratio to enrollment.
	1	2	3	4	5	6	7	8
52	Surinam (colony of the Netherlands).....	1888	2, 818	2, 570	5, 388	<i>Per ct.</i> 9.42	.....	<i>Per ct.</i> .....
53	Hawaii.....	1886	.....	.....	9, 016	11.18	.....	.....
54	Mauritius.....	1888	.....	.....	15, 871	4.31	10, 143	63.90
55	New South Wales.....	1888	.....	.....	186, 692	17.90	112, 220	60.10
56	Queensland.....	1888	.....	.....	58, 738	16.00	38, 926	65.26
57	South Australia.....	1888	.....	.....	45, 236	58.81	28, 329	62.62
58	Victoria.....	1883	125, 615	116, 401	242, 046	13.39	128, 954	53.27
59	West Australia.....	1888	21, 761	21, 501	43, 262	11.01	21, 126	47.66
60	New Zealand.....	1888	.....	.....	112, 685	19.47	90, 108	79.96
61	Tasmania.....	1886	.....	.....	16, 014	11.96	.....	.....

*a* Government schools.

in foreign countries—Continued.

Number of teachers.			Ratio of pupils to teachers.		Current expenditures.				
Male.	Female.	Total.	Number of enrolled pupils to each teacher.	Average number in attendance to each teacher.	Salaries.	Incidentals.	Total.	Per capita of enrollment.	Per capita of population.
9	10	11	12	13	14	15	16	17	18
153	61	214	25						52
		300	30				\$150,776	\$16.72	\$1.87
		364	43	27			69,183	4.35	.19
		3,886	48	28	\$2,121,907	\$80,548	2,466,942	13.21	2.36
691	789	1,480	39	26			793,247	13.50	2.16
405	529	934	48	30			553,162	12.20	1.74
		3,754	64	34			2,970,791	12.27	2.80
a42	a68	a110	a29	a23					59
		2,839	39	31	1,426,946	135,031	1,657,907	14.71	2.86
		390	41				112,294	7.01	.83

b Assisted schools.

## CHAPTER XXXIV.

### OBITUARY LIST OF NOTABLE EDUCATORS.

*Number of deaths, American and foreign, by ages.*

Ages.	Ameri- can.	Foreign.	Total.	Ages.	Ameri- can.	Foreign.	Total.
35-40.....	1	.....	1	71-75.....	4	1	5
41-45.....	1	1	2	76-80.....	7	.....	7
46-50.....	6	.....	6	81-85.....	2	.....	2
51-55.....	4	1	5	86-90.....	3	.....	3
56-60.....	6	.....	6	Over 90.....	.....	1	1
61-65.....	2	1	3				
66-70.....	2	2	4	All ages.....	38	7	45

#### AMERICAN.

AINSWORTH, Joseph F., in Dedham, Mass., October 20, 1888, aged sixty-nine years; one of the oldest, best, and most respected of schoolbook publishers in the United States. To his wise foresight the public is indebted for the introduction and success of the Payson-Dunton writing books, Bartholomew's drawing books, Professor Crosby's Greek text-books, etc.

ALLEN, Nathan, M. D., LL. D., in Lowell, Mass., January 1, 1889, aged seventy-seven years; began academic studies at seventeen years, matriculating at Amherst College, 1832; was graduated in the class of 1836; received his medical degree in the Pennsylvania Medical School in 1841; was recently honored with the title LL. D. His published works are "The Opium Trade," 1853; "Important Medical Problems," 1874, etc. He was one of the oldest practitioners in Lowell.

BARNARD, Frederick Augustus Porter, D. D., LL. D., in New York, N. Y., May, 1889, aged seventy-nine years; president of Columbia College; for many years a most prominent literary man; graduated from Yale College in 1828; was teacher of deaf-mutes at Hartford and New York; was professor of mathematics and natural history in the University of Alabama, 1837-38, and of chemistry, 1838-54; then professor of astronomy in University of Mississippi, 1854 to 1861, becoming president the last two years; 1864 was made president of Columbia College; was president of the society for the advancement of science, and at different times an officer in the distinctively scholastic associations of Europe and America.

BARTLETT, Sidney, LL. D., in Boston, ———, 1888. He celebrated his ninetieth birthday the previous week and at the time was actively engaged in practice of law.

BOYCE, Rev. J. P., D. D., LL. D., at Pau, France, December 26, 1888, aged sixty years; president of Southern Baptist Theological Seminary, of Louisville, Ky.; founder of the seminary; president of the Southern Baptist Convention; a trustee of the "Slater fund," and held many important private and public trusts. His principal published works are: "A Brief Catechism on Bible Doctrines," "The Doctrine and Uses of the Sanctuary," "The Suffering Christ," and his largest and greatest work, "Abstracts of Systematic Theology," used as a text-book in the seminary.

BRAISLIN, Priscilla (Mrs. Timothy Merrick), Holyoke, Mass., December 15, 1888; was born near Burlington, N. J., 1838; for several years taught school in that city; was chosen tutor of mathematics and chemistry in Vassar College, 1865; was placed at the head of the mathematical department, which position she held until the spring of last year, resigning to become the wife of Mr. Merrick.

BREWER, Mrs. Gardiner, in Boston, Mass., December 14, 1888, aged eighty-five years; widely known for her numerous gifts to schools and charities.



- BRIDGMAN, Laura, South Boston, Mass., May 24, 1889, aged sixty years; over fifty years an inmate of the Perkins Institution for the Blind. She was deprived of *all* senses except that of touch, and through that she was taught to read, write, and converse, besides knitting and crocheting the most delicate lace. Her remarkable history is known throughout the world.
- CADY, Chaucey H., in Vermont, June, 1889; a well-known music writer and critic; graduated at Michigan University, 1881.
- CAPEN, Francis L., at Boston, Mass., July 31, 1889, aged seventy-two years. He was a well-known weather expert; made many interesting astronomical discoveries and many remarkable weather predictions, which gave him prominence on both sides of the Atlantic; he foresaw the eruptions of Vesuvius in April, 1871, and started for Naples to witness them.
- CARY, Freeman, in Cincinnati, Ohio, August 26, 1888, aged seventy-eight years; founder of Farmers' (now Belmont) College, Ohio.
- CARRINGTON, Edward C., near Salida, Colo., November 7, 1888, aged ———; formerly head-master of the Evening High School in Boston, member of the Massachusetts board of education, etc.
- CHEEVER, Byron William, March 6, 1888, aged forty-seven years; graduated from the University of Michigan in the department of arts 1863, from the department of medicine in 1867; from 1881 to the time of his death he occupied the chair of metallurgy in the University of Michigan.
- CLEMENTS, Rev. Samuel, D. D., at Ogontz, Pa., December 9, 1888; was the head of Cheltenham Academy, an educator of high repute, with special power for intellectual guidance of young men.
- COMBS, Prof. Paul, at Leonardtown, Md., December 28, 1888, aged twenty-four years; a member of the faculty of the Maryland Agricultural College; drowned near the mouth of Breton's Bay; was regarded as one of the brightest and most promising young men.
- CURRIE, Rev. L. W., in Tacoma, Wash., September 1, 1888, aged fifty years; teacher of the Government public school at Klawak, Prince of Wales Island, Alaska.
- CURTIS, William W., in Washington, D. C., September 2, 1888, aged sixty years; for many years a trustee of public schools.
- DALTON, Dr. John C., New York, N. Y., February 13, 1889, aged sixty-four years. He held professorships at University of Buffalo, Vermont Medical College, Long Island College Hospital, and in 1865 accepted the chair of physiology in the College of Physicians and Surgeons, which he held until the time of his death; was also a member of several medical associations, the author of many works and magazine articles on physiology and other medical subjects, and was the first one in this country to teach physiology with illustrations by vivisection.
- DILLAWAY, Charles K., in Boston, Mass., May 2, aged eighty-five years; president of the alumni of Boston Latin School; graduated at Harvard, 1825. He owned one of the most valuable and largest private libraries in Boston; was for a number of years a member of the Boston school committee, and in commemoration of his great interest in education the Dillaway School, on Kenilworth street, Roxbury, was named for him.
- ELLIOT, S. Lowell, PH. D., in Brooklyn, N. Y., February 12, 1889, aged forty-five years. He was eminent in scientific research; was a member of the New York Academy of Science, the American Association for the Advancement of Science, the American Geographical Society, and other associations, both in New York and Brooklyn.
- FOSTER, Joshua, in New Brunswick, N. J., November 20, 1888, aged seventy-six years; for fourteen years principal of the Institution for the Deaf and Dumb of Pennsylvania, and connected with the institution for forty-six years; was eminent authority on the treatment of deaf-mutes.
- FRENCH, John H., LL. D., in Rochester, N. Y., December 23, 1888, aged sixty-four years. He was a noted educator and for fifteen years had been connected with various institutions; for many years State conductor of teachers' institutes; was also superintendent of public schools in Vermont, and at one time principal of State Normal School at Indiana, Pa.
- GAMMELL, William, LL. D., in Providence, R. I., April 3, 1889, aged seventy-seven years. He was graduated from Brown University in 1831; took a tutorship there and rose to be professor of rhetoric and English literature; held that position from 1836 to 1851, when he took the new department of history and political economy, which he held until his resignation, 1864.
- GRAY, Rev. Albert Z., D. D., in Chicago, Ill., February 17, 1889, aged forty-nine years. He was a zealous worker in all matters pertaining to the church, and in 1882 was elected warden of Racine College. He was a writer of more than average ability; his published works are "The Land and the Life," "Mexico as it is," "Words of the Cross," "Jesus Only," and other sacred songs.
- HANSON, Miss Virginia, ——— Ky, October 19, 1888, aged sixty-three years; State librarian for many years.

- HARRIS, Right Rev. Samuel S., D. D., in London, England, August 21, 1888, aged forty-seven years; bishop of the Protestant Episcopal Church for the diocese of Michigan.
- HARRISON, Hon. James O., in Lexington, Ky., August 1, 1888, aged eighty-four years; born April 11, 1804, in Mount Sterling; graduated from the collegiate and law departments of Transylvania University; originator and first superintendent of public schools in Lexington, 1848-53, and again superintendent, 1873-79.
- HELLIG, Rev. William M., at Sweet Air, Md., October 19, 1888, aged seventy-five years; teacher in the Lutherville Female Seminary, 1856-59, and professor of history and of German in the Baltimore City College, 1857-64.
- HEUSER, Louis C., in Baltimore, Md., January 6, 1889, aged fifty-three years; vice-principal of English and German school, No. 5, Fremont street; for over twelve years a teacher in that school.
- HINCKLEY, George B. F., in Providence, R. I., July 8, 1888, aged thirty-nine years; a well-known teacher of classics.
- HIRST, James E., in Washington, D. C., October 12, 1888, aged ——— years; formerly principal of the high school at Bethlehem, Pa.
- JONES, Prof. Elisha, in Denver, Colo., August 16, 1888; associate professor of Latin, University of Michigan, Ann Arbor; was teacher of Latin and Greek classics for fourteen years; the text-books prepared by him had made his name widely known.
- LEWIS, Henry Carvill, in Manchester, England, July 21, 1888, aged ——— years; professor of geology in Haverford College, Pa.
- LORD, Rev. Willis, D. D., at Guilford, Conn., October 28, 1888; had been connected with several educational institutions; at one time president of Wooster University; the author of many books; was a prominent Presbyterian minister.
- LYNCH, John S., M. D., in Baltimore, Md., September 27, 1888, aged sixty years; one of the founders of the Baltimore College of Physicians and Surgeons and professor of the principles and practice of medicine therein.
- LYON, Merrick, LL. D., Providence, R. I., August 11, 1888, aged seventy-three years; for many years taught a preparatory school for colleges; in 1855 he filled the chair of Greek at Brown University, where he graduated in 1841; was honorary commissioner to the Vienna World's Fair; for two years each president of the Rhode Island and the American Institutes of Instruction; in 1874 he was elected a trustee of Brown University, and in 1877 a fellow.
- LYONS, Prof. J. A., at South Bend, Ind., August 23, 1888, aged fifty years; a member of the faculty of Notre Dame University; was connected with the university for thirty years and established several literary societies.
- McKAY, Prof. Charles F., in Baltimore, Md., March 13, 1889, aged seventy-nine years. Was at one time president of the University of Georgia, at Athens, Ga., which institution he has endowed.
- McGILL, Alexander T., D. D., LL. D., at Princeton, N. J., January 14, 1889, aged eighty-two years. He was emeritus professor of ecclesiastical, homiletic, and pastoral theology at Princeton Theological Seminary. He surveyed the boundary line between Georgia and Alabama through the lands of the Cherokee Nation.
- McTYEIRE, Holland L., in Nashville, Tenn., February 15, 1889, a noted divine and editor of the Christian Advocate; founder also of the New Orleans Christian Advocate. It was owing to him that the Vanderbilts made the gifts to Vanderbilt University, of which Bishop McTyeire was made president for life.
- MAHAN, Rev. Asa, D. D., at Eastbourn, England; graduated at Hamilton College in 1824, and at Andover Theological Seminary three years later. He held the presidency of Oberlin College, the chair of intellectual and moral philosophy, that of assistant professor in theology for fifteen years; accepted the presidency of Cleveland University in 1850; in 1860, that of Adrian College. Afterwards went to England, where he edited various religious magazines and published several books.
- MAX, Sarah R., at Strong, Me., December 31, 1888, aged fifty-three years. Was a graduate of Mt. Holyoke Seminary and a prominent educator in the South. For a number of years with her sister conducted the Wendell Institute, in Farmington, and eight years ago opened the May School for girls.
- MITCHELL, O. H., in Parkersburgh, W. Va., March 29, 1889; for many years in the chair of mathematics at Marietta College, Ohio; was one of the most prominent mathematicians in the State and an astronomer of high repute; a graduate of Johns Hopkins University, which conferred on him the degree of Ph. D.
- MORRIS, George Sylvester, PH. D., in Ann Arbor, Mich., March 23, 1889, aged forty-nine years; was professor of philosophy in Michigan University; was educated at Dartmouth College; was also tutor there. He filled the chair of modern languages in University of Michigan in 1870, and in 1878 was appointed lecturer in philosophy in Johns Hopkins University. He published many important books.
- OTIS, Charles Pomeroy, at Boston, Mass., November —, 1888, aged forty-eight years. He spent several years in Europe in the study of philology; was the author of several translations and text-books on various subjects; at the time of his death was professor of modern languages in the Massachusetts Institute of Technology.



- PIERCE, Rev. Bradford K., D. D., in Newton, Mass., April 19, 1889, aged seventy years. He was pastor for eighteen years, editor of Zion's Herald sixteen years, the founder of the Lancaster State Industrial School, and superintendent and chaplain of the same for six years; was trustee of the Boston University and of Wellesley College; at the time of his death was president of the Wesleyan Orphan Home, in Newton, also a member of the school board and superintendent of the Newton Free Library. He had written many books of a religious character, and had also prepared a new annotated edition of the proceedings of the State convention of 1788 which ratified the national Constitution (Boston, 1856).
- PORCHER, Frederick A., A. M., LL. D., in Charleston, S. C., October 15, 1888, aged nearly ninety years; educated at the College of Charleston, Partridge's Military Academy, Norwich, Vt., and Yale College; graduated in 1828; member of the South Carolina legislature for nine terms; trustee of the College of Charleston 1848, and professor of belles-lettres and history 1849-84; president of the South Carolina Historical Society for many years; author of a "History of Craven County," etc.
- PRAY, Dr. Thomas J. W., in Dover, N. H., December 9, 1888; born September 2, 1819, in Lebanon, Me.; graduated from Bowdoin College in 1844; received the degree of M. D. from Harvard College in 1848; in 1850 was president of the New Hampshire Medical Society; gave a noted address upon diphtheria which attracted the attention of professional men all over the country; for twenty years connected with Dover public schools, and was State commissioner in 1858-59; also in the State legislature, and chairman of the committee on education.
- PROCTOR, Richard A., in New York City, September 12, 1888, aged fifty-one years; a widely known writer on astronomical subjects.
- REMINGTON, Philo, at Silver Springs, Fla., April 4, 1889, aged seventy-two years; maker of rifles, sewing machines, and typewriters; a native of New York, and a liberal giver to Syracuse University, etc.
- RICE, Rev. Daniel, D. D., in St. Paul, Minn., April 5, 1889, aged seventy-two years; professor of theology in Macalester College.
- SCHMUCKER, Rev. Beal M., A. M., D. D., near Phoenixville, Pa., October 15, 1888, aged sixty-three years; a trustee of Muhlenberg College; director of the Lutheran Theological Seminary at Philadelphia; member of the Pennsylvania Historical Society; a prominent clergyman of the Lutheran Church, and author of several works on church history, etc.
- SHEPARD, Prof. Forest, in Norwich, Conn., December 8, 1888, aged eighty-eight years; born at Bascowen, N. H., in 1800, and graduated at Yale University in 1827; was professor of science in Western Reserve College, Hudson, Ohio; he made a thorough study of economics, and was well known as a specialist; he was a pedestrian of wonderful powers, and after the age of eighty years walked from Norwich to New Haven to attend a reunion of his classmates.
- SPAULDING, Rev. John, D. D., in New York City, March 30, 1889, aged eighty-eight years; secretary of the "Western Education Society" 1833-37; secretary of the "American Seamen's Society" 1841-56, and trustee of the same 1856-89.
- TAIT, George, in Alameda, Cal., August 13, 1888, aged fifty-seven years; was teacher in public schools of San Francisco in 1853, also city superintendent of schools in that city and in Oakland; was one of the first professors in the University of California.
- TAPPAN, Eli T., M. A., D. D., LL. D., in Columbus, Ohio, October 23, 1888, aged sixty-three years; formerly president of Kenyon College, Gambier, Ohio; at the time of his death was State School Commissioner of Ohio.
- TAYLOR, Prof. S. S., St. Paul, Minn., March 18, 1889, aged fifty-three years; superintendent of city school, St. Paul.
- TRAVELL, Rev. Joseph S., in —, Pa., September 18, 1888, aged — years; originator of kindergartens in the United States; interested in prison reforms, etc.
- VAN LENNEP, Rev. Henry, D. D., at Great Barrington, Mass., January 15, 1889, aged seventy-three; was the son of a missionary in the East; was born in Smyrna, Turkey, and was a faithful missionary for thirty years.
- VAN METER, Rev. William C., in Rome, Italy, October 31, 1888, aged sixty-eight years; founder of the Howard Mission in New York City; regenerator of the notorious Five Points District in New York, and of late years devoted to Protestant missions and school work in Italy.
- WELSH, Hon. A. S., in 1889; graduated at Michigan University in 1846; was for many years president of the normal school at Ypsilanti, Mich.
- WESTON, Rev. Dr. J. P., in Portland, Me., December 21, 1888, aged fifty-five years; he was for years principal of Westbrook Seminary and one of the best known educators in the State.
- WOOD, William, New York City, November —, 1888; was for twenty-one years a member of the board of education; was the originator, founder, and trustee of the Girls' Normal College.



- YENNI**, Rev. Dominic, s. J., at Spring Hill, Ala., July 8, 1888, aged seventy-seven years; professor of Latin and Greek at St. Joseph's College; author of Greek and Latin grammars; a teacher for fifty-three years, of which forty-one were passed in this country.
- YEOMANS**, Alfred, D. D., at Orange, N. J., March 20, 1889, aged fifty-nine years; graduated with honor from Princeton College in 1852; at the time of his death was trustee of Princeton College, trustee and director of Princeton Theological Seminary, and a member of the Presbyterian Board of Home Missions.
- YOUNG**, John W., in Portsmouth, Va., October 8, 1888, aged fifty-six years; principal of the city public schools.

## FOREIGN.

- BROCK**, Dr. O. J., February 5, 1889, aged seventy-one years, at Sevres, France; director of the International Bureau of Weights and Measures, in Paris; formerly professor of mathematics in the University of Christiania, Norway.
- BUDGE**, L. J., in ———, 1889, aged ——— years; director of the Anatomical Institute in Greifswald; author of a "Compendium of Physiology," etc.
- CHEVREUL**, Michel Eugène, April 9, 1889, in Paris, France, aged one hundred and two years; born at Angers in 1786; educated in Angers and Paris; was a noted chemist. Taught, 1810, chemistry in the Museum of Natural History; 1813, chemical professor in the Lycée Charlemagne; 1824, chemical professor in the Gobelins textile works; 1826, member of Academy of Sciences; 1830, professor of applied chemistry in the Museum of Natural History; his writings are: 1823, Chemical Researches on Animal Fats; 1831, Chemistry Applied to the Art of Dyeing; 1839, Law of Simultaneous Color Contrast.
- CLAUSIUS**, Rudolf J. E., in Bonn, Germany, August, 22, 1888, aged sixty-seven years; professor of physics in the universities of Zurich, Wurzburg, and Bonn.
- DARMSTETTER**, Prof. Arsène, of France, November 16, 1888, aged forty-two years; was connected with the Sorbonne at Paris since 1877, where he lectured on French language and literature; in 1881 he began a course of lectures on French grammar in the Normal at Sèvres; was well known as a writer on the French language, also as one of the collaborateurs of the Dictionnaire général de la langue Française.
- DEBRAY**, Henri, in Paris, France, July 19, 1888, aged sixty-one years; professor of chemistry in Charlemagne Lyceum and assistant in the Normal School; in 1877 was a member of the French Academy of Sciences.
- FRIEDLANDER**, Miss Rosalie, at Karlsruhe, Baden, Germany, October 22, 1888; she was a woman of superior intelligence, of wealth, and noted for her missionary work and noble charities among all sorts and conditions of people; during the Franco-Prussian war her school was closed and house converted into a hospital, she and her sister nursing the wounded soldiers.
- KENNEDY**, Rev. Benjamin Hall, in Cambridge, England, April, 1889; professor of Greek at Cambridge and a member of the university council.
- MORI**, Viscount Arinori, minister of education, February 16, 1889. He was known in this country, having been minister from Japan at Washington about 1880. Count Mori was one of the most enlightened of Japanese statesmen, and his death is considered a loss to the progressive party in Japan.
- SALOMON**, Louis E. T., ex-President of Hayti, in Paris, France, October 19, 1889, aged sixty-eight years; a native of Hayti, and a vigorous advocate of popular education; minister of public instruction and justice under President Faustin Soulouque, 1847-49, and under the same ruler when made emperor, 1849-58; after a long exile he became minister of foreign affairs under President Salnave, and after a second exile was elected President in 1879 and retained that office until finally expelled in 1888.
- THUN-HOHNSTEIN**, Graf. Leo, in Vienna, December 17, 1888, minister of education and worship, 1849-60; he reorganized secondary and university education; sent for German professors and teachers, made use of the German system as a model.

## CHAPTER XXXV.

### INDEX TO THE PUBLICATIONS OF THE UNITED STATES BUREAU OF EDUCATION FROM 1867 TO 1896.

[The accompanying list and index have been prepared in the hope of affording ready reference to the publications of the Bureau of Education, and of preserving useful memoranda respecting them.]

#### LIST OF PUBLICATIONS.

##### I.—ANNUAL REPORTS.

- Report of the Commissioner of Education, 1867-68. 8°, pp. xl + 856. Washington, 1868.
- Same* for 1870. 8°, pp. 579. Washington, 1870.
- Same* for 1871. 8°, pp. 715. Washington, 1872.
- Same* for 1872. 8°, pp. lxxxviii + 1018. Washington, 1873.
- Same* for 1873. 8°, pp. clxxviii + 870. Washington, 1874.
- Same* for 1874. 8°, pp. clii + 935. Washington, 1875.
- Same* for 1875. 8°, pp. clxxiii + 1016. Washington, 1876.
- Same* for 1876. 8°, pp. ccxiii + 942. Washington, 1878.
- Same* for 1877. 8°, pp. cevi + 644. Washington, 1879.
- Same* for 1878. 8°, pp. cci + 730. Washington, 1880.
- Same* for 1879. 8°, pp. cexxx + 757. Washington, 1881.
- Same* for 1880. 8°, pp. clxxii + 914. Washington, 1882.
- Same* for 1881. 8°, pp. cclxxvii + 840. Washington, 1883.
- Same* for 1882-83. 8°, pp. ccxciii + 872. Washington, 1884.
- Same* for 1883-84. 8°, pp. cclxxi + 943. Washington, 1885.
- Same* for 1884-85. 8°, pp. ccxvii + 848. Washington, 1886.
- Same* for 1885-86. 8°, pp. xxi + 792. Washington, 1887.
- Same* for 1886-87. 8°, pp. 1170. Washington, 1888.
- Same* for 1887-88. 8°, pp. 1209. Washington, 1889.

##### II.—SPECIAL REPORTS.

- Special report of the Commissioner of Education on the condition and improvement of public schools in the District of Columbia. Barnard. 8°, pp. 912. Washington, 1871.
- Technical instruction. Special report, 1869. pp. 33-784. Washington [1870].
- NOTE.—First edition incomplete, printed pursuant to a call of House of Representatives, Jan. 19, 1870. Second edition published as Vol. XXI of Barnard's *Journal of Education*. pp. 807.
- Contributions to the annals of medical progress and medical education in the United States before and during the War of Independence. By Joseph M. Toner. pp. 118. Washington, 1874.
- Historical sketch of Mount Holyoke Seminary. By Mary O. Nutting. Edited by F. B. Hough. 12°, pp. 24. Washington, 1876.
- Historical sketch of Union College. By F. B. Hough. 8°, pp. 81. Washington, 1876.
- Public libraries in the United States of America, their history, condition, and management. Part I. pp. xxxv + 1187. Edited by S. R. Warren and S. N. Clark; Part II. pp. 89. Rules for a printed dictionary catalogue. By C. A. Cutter. 8°, Washington, 1876.
- Contributions to the history of medical education and medical institutions in the United States of America, 1776-1876. By N. S. Davis. 8°, pp. 60. Washington, 1877.

Sketch of the Philadelphia Normal School for Girls. 8°, pp. 39. Washington, 1882.  
 Historical sketches of the universities and colleges of the United States.<sup>1</sup> Edited.  
 by F. B. Hough. (History of the University of Missouri.) 8°, pp. 72. Washing-  
 ton, 1883.

Industrial education in the United States. 8°, pp. 319. Washington, 1883.

Art and industry.—Industrial and high art education in the United States. By I.  
 Edwards Clarke. Part I. Drawing in the public schools. 8°, pp. cclix + 842.  
 Washington, 1885.

NOTE.—There were two other editions, with slightly varying titles; one ordered by the Senate,  
 the other by Congress.

Outlines for a museum of anatomy. By R. W. Shufeldt. 8°, pp. 65. Washington,  
 1885.

Educational exhibits and conventions at the World's Industrial and Cotton Centen-  
 nial Exposition, New Orleans, 1884-85. 8°, pp. 962, foot pagination.<sup>2</sup> Washing-  
 ton, 1886.

*Contents.*—Part I. Catalogue of exhibits. pp. 240.

II. Proceedings of the International Congress of Educators. pp. 576.

III. Proceedings of the Department of Superintendence of the National Educa-  
 tional Association, and addresses delivered on Education Days, 1885, N. O.  
 pp. 148.

Indian education and civilization. Prepared in answer to Senate resolution of Feb-  
 ruary 23, 1885. By Alice C. Fletcher, under direction of the Commissioner of Edu-  
 cation. pp. 693. [Senate Ex. Doc. No. 95, Forty-eighth Congress, second session.]

Rules for a dictionary catalogue. By C. A. Cutter. 2d ed. (of Part II. of public  
 libraries in the United States), with corrections and additions. 8°, pp. 133. Wash-  
 ington, 1889.

Preliminary report of the general agent of education for Alaska to the Commissioner  
 of Education. Introduction of reindeer into Alaska. 1890. By Sheldon Jackson.  
 pp. 15. Washington, 1890.

### III.—CIRCULARS OF INFORMATION.

No. 1.—General plan, March, 1867.

No. 2.—Plan of publication, May, 1867.

No. 3.—National land grants for educational purposes, August, 1867.

Nos. 4 and 5.—Provisions respecting education in the constitution of each State,  
 with supplement. Constitutions revised in 1867-68. September and October,  
 1867.

No. 6.—National grant of lands for State colleges of agriculture. Supplement:  
 Circular respecting schools of science. September, 1867.

No. 7.—National education at home and abroad.

No. 8.—Female education.

No. 9.—Incorporated academies.

No. 10.—Secondary or academic education.

No. 11.—School architecture, 1867.

No. 12.—Institutions for the professional training of teachers.

No. 13.—August, 1868.

*Contents.*—Letters to editors and publishers of newspapers; Educational meetings in August  
 1868; Letter respecting the reports of the Commissioner. Contents of special report on the  
 District of Columbia. Index to subjects discussed in general reports, etc.

#### Special circulars.

1.

2. Circular respecting plan of publication. (Identical in matter with official  
 circular No. 2.)

3. Circular respecting national land grants. (Identical in matter with official  
 circular No. 3.)

4.

5.

6.

7. Circular respecting elementary education.

8.

9. Circular respecting school architecture.

10. Circular respecting normal schools and the professional training of teachers.  
 (Identical in matter with official circular No. 12.)

<sup>1</sup> It was proposed to publish, during the Centennial year, a series of histories of colleges, universi-  
 ties, professional schools, and special schools of science, but the following named only were issued:  
 Historical sketch of Mount Holyoke Seminary, Historical sketch of Union College, and the History of  
 the University of Missouri.

<sup>2</sup> From which all quotations are made.



## Special circulars—Continued.

11. Circular respecting educational tracts.
12. Circular respecting institutions of natural science, February, 1868.
13. Circular respecting academies of design, galleries of art, and art culture.
14. Circular respecting public grounds.
15. Circular respecting newspapers and other periodicals.
16. Circular respecting report and documents for 1868.
- Circular respecting academies and other institutions of secondary education.

[The preceding list of official circulars, with illustrative documents, were issued by Dr. Henry Barnard.]

## Circular of information, August, 1870. pp. 70.

*Contents.*—Illiteracy, derived from census tables of 1860; Educational statistics, translation of article by Dr. A. Ficker; Virchow on school-room diseases; Education of French and Prussian conscripts; School organization, etc.

## Same, July, 1871. pp. 43.

*Contents.*—Public instruction in Sweden and Norway; The "folkehoiskoler" of Denmark.

## Same, November, 1871. pp. 14. Methods of school discipline.

## Same, December, 1871. pp. 17. Compulsory education.

## Same, January, 1872. pp. 43. German and other foreign universities.

## Same, February, 1872. pp. 77.

*Contents.*—Public instruction in Greece, the Argentine Republic, Chili, and Ecuador; Statistics respecting Portugal and Japan; Technical education in Italy.

## Same, March, 1872. pp. 93.

*Contents.*—Vital statistics of college graduates; Distribution of college students in 1870-71; Vital statistics in the United States, with diagrams.

## Same, April, 1872. pp. 125. Relation of education to labor.

## Same, June, 1872. pp. 22. Education in the British West Indies.

## Same, July, 1872. pp. 62. The Kindergarten.

## Same, November, 1872. pp. 79. American education at the Vienna Exposition of 1873.

## Same, 1, 1873. pp. 66. Historical summary and reports on the systems of public instruction in Spain, Bolivia, Uruguay, and Portugal.

## Same, 2, 1873. pp. 30. Schools in British India.

## Same, 3, 1873. pp. 118. College commencements for the summer of 1873, in Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

## Same, 4, 1873. pp. 72. List of publications by members of certain college faculties and learned societies in the United States, 1867-72.

## Same, 5, 1873. pp. 155. College commencements during 1873 in the Western and Southern States.

## Same, 1, 1874. pp. 77. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C. [1874].

## Same, 2, 1874. pp. 56. Drawing in public schools; present relation of art to education in the United States.

## Same, 3, 1874. pp. 87. History of secondary instruction in Germany.

## Same, 1, 1875. pp. 114. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C. [1875].

## Same, 2, 1875. pp. 64. Education in Japan.

## Same, 3, 1875. pp. 108. Public instruction in Belgium, Russia, Turkey, Servia, and Egypt.

## Same, 4, 1875. pp. 16. Waste of labor in the work of education.

## Same, 5, 1875. pp. 26. Educational exhibit at the International Centennial Exhibition, 1876.

## Same, 6, 1875. pp. 208. Reformatory, charitable, and industrial schools for the young.

## Same, 7, 1875. pp. 130. Constitutional provisions in regard to education in the several States.

## Same, 8, 1875. pp. 15. Schedule for the preparation of students' work for the centennial exhibition.

## Same, 1, 1877. pp. 28. Education in China.

## Same, 2, 1877. pp. 77.

*Contents.*—Public instruction in Finland, the Netherlands, Denmark, Württemberg, and Portugal; The University of Leipzig.

## Same, 1, 1878. pp. 36. Training of teachers in Germany.

## Same, 2, 1878. pp. 24. Elementary education in London.

Circular of information No. 1, 1879. pp. 21. Training schools for nurses.

Same, 2, 1879. pp. 192.

*Contents.*—Proceedings of the Department of Superintendence of the National Educational Association, 1877 and 1879, Washington, D. C.; Proceedings of the conference of college presidents and delegates, Columbus, Ohio, December, 1877.

Same, 3, 1879. pp. 37. Value of common school education to common labor. [Reprinted from Annual Report, 1872.]

Same, 4, 1879. pp. 49. Training schools of cookery.

Same, 5, 1879. pp. 37. American education as described by the French commission to the international exhibition of 1876.

Same, 1, 1880. pp. 27. College libraries as aids to instruction.

Same, 2, 1880. pp. 112. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., 1880.

Same, 3, 1880. pp. 96. Legal rights of children.

Same, 4, 1880. pp. 106. Rural school architecture.

Same, 5, 1880. pp. 26. English rural schools.

Same, 6, 1880. pp. 219. Instruction in chemistry and physics in the United States.

Same, 7, 1880. pp. 36. The spelling reform.

Same, 1, 1881. pp. 26. Construction of library buildings.

Same, 2, 1881. pp. 22. Relation of education to industry and technical training in American schools.

Same, 3, 1881. pp. 79. Proceedings of the Department of Superintendence of the National Educational Association, New York, 1881.

Same, 4, 1881. pp. 144. Education in France.

Same, 5, 1881. pp. 47. Causes of deafness among school children and the instruction of children with impaired hearing.

Same, 6, 1881. pp. 29. Effects of student life on the eyesight.

Same, 1, 1882. pp. 28. Inception, organization, and management of training schools for nurses.

Same, 2, 1882. pp. 112. Proceedings of the Department of Superintendence of the National Educational Association, Washington, 1882.

Same, 3, 1882. pp. 67. University of Bonn.

Same, 4, 1882. pp. 37. Industrial art in schools.

Same, 5, 1882. pp. 14. Maternal schools in France.

Same, 6, 1882. pp. 63. Technical instruction in France.

Same, 1, 1883. pp. 46. Legal provisions respecting the examination and licensing of teachers.

Same, 2, 1883. pp. 30. Coeducation of the sexes in the public schools of the United States.

Same, 3, 1883. pp. 81. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., 1883.

Same, 4, 1883. pp. 82. Recent school-law decisions.

Same, 1, 1884. pp. 11. Meeting of the International Prison Congress at Rome.

Same, 2, 1884. pp. 184. The teaching, practice, and literature of shorthand. [Second and enlarged edition.]

Same, 3, 1884. pp. 99. Illiteracy in the United States. With appendix on national aid to education.

Same, 4, 1884. pp. 176. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., 1884.

Same, 5, 1884. pp. 28. Suggestions respecting the educational exhibit at the New Orleans Exposition, 1884-85.

Same, 6, 1884. pp. 90. Rural schools: progress in the past; means of improvement in the future.

Same, 7, 1884. pp. 158. Aims and methods of the teaching of physics.

Same, 1, 1885. pp. 207. City school systems in the United States.

Same, 2, 1885. pp. 206. Teachers' institutes.

Same, 3, 1885. pp. 55. Review of the reports of the British royal commissioners on technical instruction, with notes.

Same, 4, 1885. pp. 56. Education in Japan.

Same, 5, 1885. pp. 183. Physical training in American colleges and universities.

Same, 1, 1886. pp. 78. Study of music in public schools.

Same, 2, 1886. pp. 91. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., 1886.

Same, 1, 1887. pp. 89. The College of William and Mary. By Herbert B. Adams.

Same, 2, 1887. pp. 299. Study of history in American colleges and universities.

Same, 3, 1887. pp. 200. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., 1887.

Same, 1, 1888. pp. 308. Thomas Jefferson and the University of Virginia. By Herbert B. Adams.

- Circular of information, No. 2, 1888. pp. 180. History of education in North Carolina. By Charles Lee Smith.
- Same, 3, 1888. pp. 247. History of higher education in South Carolina. By C. Meriwether.
- Same, 4, 1888. pp. 154. Education in Georgia. By Charles Edgeworth Jones.
- Same, 5, 1888. pp. 86. Industrial education in the South. By A. D. Mayo.
- Same, 6, 1888. pp. 165. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., 1888.
- Same, 7, 1888. pp. 54. History of education in Florida. By George Gary Bush.
- Same, 1, 1889. pp. 68. Higher education in Wisconsin. William F. Allen and David E. Spencer.
- Same, 2, 1889. pp. 300. Proceedings of the Department of Superintendence of the National Educational Association, Washington, D. C., March, 1889.
- Same, 3, 1889. pp. 281. History of education in Alabama, 1702-1889. By Willis G. Clark.
- Same, 1, 1890. pp. 343. History of Federal and State aid to higher education in the United States. By Frank W. Blackmar.
- Same, 2, 1890. pp. 72. English-Eskimo, and Eskimo-English vocabularies. Compiled by Roger Wells, Jr., and John W. Kelly.
- Same, 3, 1890. pp. 400. The teaching and history of mathematics in the United States. By Florian Cajori.

#### IV.—MISCELLANEOUS PUBLICATIONS.

- Report on school architecture and plans for graded schools. pp. 136. [Reprinted from Annual Report, 1868.]
- What is education? Opinions of eminent men. pp. 16. 1870. [Reprinted from An. Rep., 1868.]
- Colleges and collegiate institutions in the United States. Statistics. pp. 11.
- Suggestions for a free school policy for United States land grantees. pp. 6. 1872.
- Statement of the theory of education in the United States, approved by many leading educators. pp. 22. 1874.
- International exhibition, 1876, Philadelphia. Collections to illustrate the history of colleges, universities, professional schools, and special schools of science. A. Nos. 1-9; B. Nos. 1 and 3; C. No. 2. 1875. pp. 51.
- Report of the commissioner of education, 1875. (Prospectus of.) 1 p. 1875.
- National Bureau of Education; its history, work, and limitations. pp. 16. 1875.
- Chilian international exposition of 1875, to be held at Santiago, Chili. (Educational programme.) pp. 9. 1875.
- List of public school officials in the States and Territories of the United States, 1875. pp. 62. 1875.
- Educational conventions and anniversaries, 1876. pp. —. 187—.
- International conference on education, held in Philadelphia in connection with the international exhibition of 1876. pp. 92. 1877.
- Synopsis of proposed centennial history of American education, 1776-1876. (Folding sheet.)
- Manual of common native trees of the northern United States. pp. 23. 1877.
- Are the Indians dying out? pp. 36. 1877.
- Needs of the bureau of education. pp. 7. [Reprinted from Circ. inf. 2, 1879.]
- Needs of education in the South. pp. 13. [Reprinted from Circ. inf. 2, 1879.]
- International educational congress to be held at Brussels, Belgium, August, 1880. pp. 10. 1880.
- Indian school at Carlisle Barracks. pp. 5. 1880.
- Industrial education in Europe. pp. 9. 1880.
- Vacation colonies for sickly school children. pp. 4. 1880.
- Progress of Western education in China and Siam. pp. 13. 1880.
- Educational tours in France. pp. 4. 1880.
- Sale of diplomas. pp. 4. 1880.
- Medical colleges in the United States. pp. 3. 1881.
- Comparative statistics of elementary education in fifty principal countries. (Folding sheet.) 1881.
- Fifty years of freedom in Belgium; Education in Malta; Third international geographical congress at Venice, 1881; Illiteracy and crime in France; School savings banks; Education in Sheffield. pp. 8. 1881.
- Organization and management of public libraries. [Reprinted from pub. libs., 1876.] pp. 29. (1881.?)
- Library aids. pp. 10. 1881.
- Recognized medical colleges in the United States. pp. 4. 1881.
- Discipline of the school. pp. 15. 1881. [Reprint of Circ. inf., November, 1871.]



- Education and crime. pp. 10. 1881.  
 Instruction in morals and civil government. pp. 4. 1882.  
 Comparative statistics of elementary, secondary, and superior education in sixty principal countries. (Folding sheet.) 1882.  
 National pedagogic congress of Spain. pp. 4. 1882.  
 Natural science in secondary schools. pp. 9. 1882.  
 High schools for girls in Sweden. pp. 6. 1882.  
 Buffalini prize. pp. 5. 1883.  
 Education in Italy and Greece. pp. 8. 1883.  
 Answers to inquiries about the United States bureau of education. pp. 29. 1883.  
 Planting trees in school grounds. pp. 8. 1883.  
 Southern exposition of 1883-84, Louisville, Ky. (Two pamphlets relating to the exhibit of the United States bureau of education.) 1883. pp. 17, 1884; pp. 7, 1884.  
 Preliminary circular respecting the exhibition of education at the World's Industrial and Cotton Centennial Exposition. pp. 11. 1884.  
 Report of the director of the American School of Classical Studies at Athens, for the year 1882-83. pp. 13. 1884.  
 Building for the children of the South. pp. 16. 1884.  
 Planting trees in school grounds, and celebration of Arbor Day. pp. 8+64. 1885.  
 International educational congress at Havre. pp. 6. 1885.  
 Statistics of public libraries in the United States. pp. 98. 1886.  
 Report on education in Alaska, with maps and illustrations. By Sheldon Jackson, general agent of education in Alaska. 1886. pp. 89.  
 Bureau of education, Ohio Valley and central States centennial exposition. July 4 to October 28, 1888. [Exhibit of bureau of education.] Comp. by J. W. Holcombe. pp. 8. Folding sheet, 16°.   
 Annual statement of the commissioner of education to the Secretary of the Interior, being the introductory chapter of the education report for 1888-89. pp. 19.  
 Indian education. pp. 28. By T. J. Morgan, Com'r of Indian Affairs. (Being Bulletin No. 1, 1889.)  
 Rules and regulations for the conduct of schools and education in the District of Alaska. pp. 7. 1890.  
 Honorary degrees as conferred in American colleges. pp. 12. By Charles Foster Smith. [A paper read before the national education association, at Nashville, Tenn., July, 1889.] (Bulletin No. 1, 1890.)  
 Contributions to American educational history. Dawson. Vols. 1, 2, and 3.

- Contents.*—Vol. 1. No. 1. The College of William and Mary, by Herbert B. Adams; No. 2. Thomas Jefferson and the University of Virginia, by Herbert B. Adams; No. 3. History of education in North Carolina, by Charles Lee Smith, being circulars of information 1, 1887, and 1 and 2, 1888.  
 2. No. 4. History of higher education in South Carolina, with a sketch of the free school system, by Colyer Meriwether; No. 5. Education in Georgia, by Charles Edgeworth Jones; No. 6. History of education in Florida, by George Gary Bush; No. 7. Higher education in Wisconsin, by William F. Allen and David E. Spencer, being circulars of information 3, 4, and 7, 1888, and 1, 1889.  
 3. No. 8. History of education in Alabama, 1702-1889, by Willis G. Clark; No. 9. History of Federal and State aid to higher education in the United States, by Frank W. Blackmar, being circulars of information No. 3, 1889, and No. 1, 1890.

Annual statement of the commissioner of education to the Secretary of the Interior, 1890 W. T. Harris. pp. 17. (Whole number 163.)

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 — DELAWARE. (An. rep. 1876, p. 60.)  
 — DISTRICT OF COLUMBIA. (An. rep. 1879, p. 274.)  
 — FLORIDA. (An. rep. 1882-83, p. 43; 1883-84, p. 52; 1884-85, p. 49.)  
 — GEORGIA. (An. rep. 1874, p. 77; 1875, p. 78; 1876, p. 74; 1877, p. 42; 1878, p. 48; 1879, p. 44; 1880, p. 64; 1881, p. 46.)  
 — ILLINOIS. (An. rep. 1870, p. 115; 1872, p. 102; 1873, p. 90; 1875, p. 94; 1876, p. 90; 1877, p. 51; 1878, p. 56; 1879, p. 53; 1880, p. 75; 1881, p. 54; 1882-83, p. 57; 1883-84, p. 68; 1884-85, p. 66; 1886-87, p. 842; 1887-88, p. 962.)  
 — INDIANA. (An. rep. 1870, p. 125; 1871, p. 155; 1872, p. 113; 1874, p. 108; 1875, p. 109; 1876, p. 106; 1877, p. 59; 1878, p. 66; 1879, p. 62; 1880, p. 85; 1881, p. 63; 1882-83, p. 67; 1883-84, p. 79; 1884-85, p. 76; 1886-87, p. 842.)



- Blind, Education of the.** [By States]. IOWA. (An. rep. 1871, p. 164; 1874, p. 118; 1875, p. 122; 1876, p. 119; 1877, p. 68; 1878, p. 72; 1879, p. 69; 1880, p. 95; 1881, p. 72; 1882-83, p. 76; 1883-84, p. 88; 1884-85, p. 85; 1886-87, p. 842.)
- KANSAS. (An. rep. 1870, p. 143; 1872, p. 123; 1873, p. 120; 1874, p. 129; 1875, p. 134; 1876, p. 130; 1877, p. 73; 1878, p. 79; 1879, p. 75; 1880, p. 105; 1881, p. 79; 1882-83, p. 83; 1883-84, p. 95; 1884-85, p. 92.)
- KENTUCKY. (An. rep. 1873, p. 130; 1874, p. 141; 1875, p. 147; 1876, p. 141; 1877, p. 79; 1878, p. 85; 1879, p. 82; 1880, p. 114; 1881, p. 85; 1882-83, p. 88; 1883-84, p. 102; 1884-85, p. 98; 1886-87, p. 842.)
- LOUISIANA. (An. rep. 1871, p. 200; 1875, p. 157; 1876, p. 152; 1877, p. 86; 1878, p. 90; 1879, p. 83; 1880, p. 122; 1881, p. 90; 1882-83, p. 93; 1883-84, p. 109; 1884-85, p. 106.)
- MAINE. (An. rep. 1877, p. 92; 1878, p. 95; 1879, p. 93; 1880, p. 130; 1881, p. 95.)
- MARYLAND. (An. rep. 1873, p. 160; 1874, p. 177; 1875, p. 181; 1876, p. 176; 1877, p. 100; 1878, p. 102; 1879, p. 100; 1880, p. 138; 1881, p. 102; 1882-83, p. 106; 1883-84, p. 124; 1884-85, p. 122; 1887-88, p. 962.)
- MASSACHUSETTS. (An. rep. 1875, p. 201; 1876, p. 195; 1877, p. 115; 1878, p. 116; 1879, p. 114; 1880, p. 155; 1881, p. 117; 1882-83, p. 120; 1883-84, p. 140; 1884-85, p. 137; 1886-87, p. 842.)
- MICHIGAN. (An. rep. 1873, p. 200; 1874, p. 216; 1875, p. 219; 1876, p. 209; 1877, p. 127; 1878, p. 127; 1879, p. 124; 1880, p. 166; 1881, p. 129; 1882-83, p. 131; 1883-84, p. 149; 1884-85, p. 146.)
- MINNESOTA. (An. rep. 1870, p. 196; 1873, p. 200; 1874, p. 226; 1875, p. 230; 1876, p. 218; 1877, p. 136; 1878, p. 134; 1879, p. 131; 1880, p. 176; 1881, p. 136; 1882-83, p. 138; 1883-84, p. 155; 1884-85, p. 153.)
- MISSISSIPPI. (An. rep. 1872, p. 199; 1873, p. 219; 1874, p. 233; 1875, p. 238; 1876, p. 226; 1877, p. 141; 1878, p. 139; 1879, p. 135; 1880, p. 183; 1881, p. 142; 1882-83, p. 144; 1883-84, p. 161; 1884-85, p. 157.)
- MISSOURI. (An. rep. 1870, p. 204; 1871, p. 262; 1872, p. 209; 1873, p. 230; 1874, p. 248; 1875, p. 252; 1876, p. 239; 1877, p. 150; 1878, p. 147; 1879, p. 143; 1880, p. 192; 1881, p. 149; 1882-83, p. 150; 1883-84, p. 169; 1884-85, p. 165; 1886-87, p. 843.)
- NEBRASKA. (An. rep. 1875, p. 261; 1877, p. 156; 1878, p. 153; 1879, p. 148; 1880, p. 199; 1881, p. 155; 1882-83, p. 156; 1883-84, p. 174; 1884-85, p. 171.)
- NEVADA. (An. rep. 1876, p. 251; 1877, p. 159; 1878, p. 156; 1881, p. 158; 1882-83, p. 160; 1883-84, p. 177; 1884-85, p. 175.)
- NEW HAMPSHIRE. (An. rep. 1877, p. 164.)
- NEW JERSEY. (An. rep. 1877, p. 173; 1878, p. 170; 1879, p. 163; 1880, p. 216; 1881, p. 171; 1882-83, p. 172; 1883-84, p. 189.)
- NEW YORK. (An. rep. 1870, p. 234; 1872, p. 245; 1873, p. 293; 1874, p. 310; 1875, p. 310; 1876, p. 290; 1877, p. 183; 1878, p. 181; 1879, p. 176; 1880, p. 231; 1881, p. 189; 1882-83, p. 188; 1883-84, p. 203; 1884-85, p. 205; 1886-87, p. 843.)
- NORTH CAROLINA. (An. rep. 1872, p. 266; 1874, p. 322; 1875, p. 324; 1876, p. 303; 1877, p. 193; 1878, p. 189; 1879, p. 184; 1880, p. 242; 1881, p. 197; 1882-83, p. 196; 1884-85, p. 212; 1886-87, p. 843.)
- OHIO. (An. rep. 1872, p. 279; 1875, p. 342; 1876, p. 320; 1877, p. 205; 1878, p. 198; 1879, p. 192; 1880, p. 254; 1881, p. 207; 1882-83, p. 209; 1883-84, p. 220; 1884-85, p. 221; 1887-88, p. 963.)
- OREGON. (An. rep. 1874, p. 354; 1875, p. 351; 1876, p. 328; 1877, p. 211; 1878, p. 203; 1879, p. 197; 1882-83, p. 215; 1883-84, p. 226; 1884-85, p. 226; 1887-88, p. 963.)
- PENNSYLVANIA. (An. rep. 1872, p. 297; 1873, p. 349; 1874, p. 371; 1875, p. 369; 1876, p. 347; 1877, p. 221; 1878, p. 212; 1879, p. 207; 1880, p. 277; 1881, p. 224; 1882-83, p. 227; 1883-84, p. 239; 1884-85, p. 237; 1886-87, p. 843; 1887-88, p. 963.)
- RHODE ISLAND. (An. rep. 1877, p. 229; 1878, p. 220; 1879, p. 216; 1880, p. 288; 1881, p. 233.)
- SOUTH CAROLINA. (An. rep. 1871, p. 343; 1872, p. 315; 1873, p. 367; 1874, p. 395; 1877, p. 236; 1878, p. 225; 1879, p. 221; 1880, p. 296; 1881, p. 239; 1882-83, p. 239; 1883-84, p. 253; 1884-85, p. 252.)
- TENNESSEE. (An. rep. 1873, p. 377; 1874, p. 405; 1876, p. 380; 1877, p. 242; 1878, p. 231; 1879, p. 229; 1880, p. 306; 1881, p. 245; 1882-83, p. 245; 1883-84, p. 259; 1884-85, p. 258.)
- TEXAS. (An. rep. 1874, p. 414; 1875, p. 414; 1876, p. 389; 1877, p. 243; 1878, p. 237; 1879, p. 234; 1880, p. 314; 1881, p. 250; 1882-83, p. 252; 1883-84, p. 265; 1884-85, p. 262; 1886-87, p. 844.)
- VERMONT. (An. rep. 1876, p. 397; 1878, p. 242; 1879, p. 240; 1880, p. 321; 1881, p. 254; 1882-83, p. 257; 1883-84, p. 270; 1884-85, p. 267.)
- VIRGINIA. (An. rep. 1872, p. 345; 1873, p. 402; 1874, p. 435; 1875, p. 435; 1876, p. 407; 1877, p. 260; 1878, p. 249; 1879, p. 248; 1880, p. 331; 1881, p. 261; 1882-83, p. 263; 1883-84, p. 275; 1884-85, p. 275; 1887-88, p. 963.)

- Blind, Education of the.** [By States.] **WEST VIRGINIA.** (An. rep. 1875, p. 446; 1876, p. 416; 1877, p. 265; 1878, p. 254; 1879, p. 254; 1880, p. 339; 1881, p. 267; 1882-83, p. 268; 1883-84, p. 280; 1884-85, p. 279.)
- **WISCONSIN.** (An. rep. 1872, p. 359; 1873, p. 421; 1874, p. 456; 1875, p. 460; 1876, p. 427; 1877, p. 273; 1878, p. 263; 1879, p. 261; 1880, p. 348; 1881, p. 275; 1882-83, p. 275; 1883-84, p. 239; 1884-85, p. 285.)
- Blind, Institutions for the. Schools for the blind.** (An. rep. 1880, p. clxxv.)
- **Statistical tables.** (An. rep. 1870, p. 534; 1871, pp. 680-681; 1872, pp. 910-911; 1873, pp. 778-779; 1874, pp. 818-819; 1875, pp. 908-909; 1876, pp. 810-811; 1877, pp. 590-591; 1878, pp. 608-609; 1879, pp. 628-631; 1880, pp. 750-753; 1881, pp. 680-683; 1882-83, pp. 710-713; 1883-84, pp. 750-753; 1884-85, pp. 794-797; 1885-86, pp. 641-643.)
- Boise, James R.** Pronunciation of Greek in this country. (An. rep. 1876, pp. 480-483.)
- Bolivia, Education in.** (Circ. inf. 1, 1873, pp. 37-44.)
- Books and Reading.** **PERKINS, F. B., and MATHEWS, WM.** Professorships of books and reading. (Pub. libs. 1876, pp. 230-251.)
- Boston, Drawing in the public schools of.** (Spec. rep. art and industry, 1855, pp. 202-294.)
- Boston public libraries.** **PERKINS, F. B.** Public libraries of Boston and vicinity. (Pub. libs. 1876, p. 851.)
- Boutwell, Geo. S.** Extract from an address at the dedication of the State Normal School at Salem, Mass., Aug. 19, 1854. (An. rep. 1863, p. 701.)
- Boyden, A. G.** Normal schools. (Circ. inf. 6, 1888, p. 79.)
- Brainerd, Cephas. Y. M. C. A. libraries.** (Pub. libs. 1876, pp. 386-388.)
- Brazil, Education in.** (An. rep. 1871, pp. 495-497; 1872, pp. 551-553; 1873, p. clxxi; 1874, p. cxliii; 1875, p. cxxxvii; 1876, p. cxci; 1877, p. clxx; 1878, p. clxxv; 1881, p. cclxxiii; 1883-84, p. cclviii.)
- Bridgewater State normal school, Remarks at dedication of.** By **HORACE MANN.** (An. rep. 1868, pp. 692-696.)
- Bradley, John E.** The superintendent and the teacher. (Circ. inf. 6, 1888, p. 135.)
- British Burma, Education in.** (An. rep. 1884-85, p. ccxcvi.)
- British India, Education in.** (An. rep. 1873, pp. clxvii-clxix; 1880, p. cxxxvi; 1881, p. cclxvi; 1882-83, cclxvi; 1883-84, p. cclxxviii; 1887-88, p. 1030.)
- **Schools in.** By **JOSEPH WARREN.** p. 30. (Circ. inf. 2, 1873.)
- British West Indies. Education in.** By **THOS. H. PEARNE.** p. 22. (Circ. inf. June, 1872.)
- Brooklyn public libraries.** **NOYES, S. B.** (Pub. libs. 1876, p. 878.)
- Brooks, Edward.** Moral education in the common schools. (Circ. inf. 6, 1888, p. 91.)
- **Normal schools.** (Circ. inf. 6, 1888, p. 79.)
- Brother Azarias.** Literary and scientific habits of thought. (Spec. rep. N. O. exp. 1884-85, pp. 694-711.)
- Brother Barbas.** Harmonious development of the faculties. (Spec. rep. N. O. exp. 1884-85, pp. 797-804.)
- Brother Justin.** Respect for authority developed in the school-room. (Spec. rep. N. O. exp. 1884-85, pp. 685-693.)
- Brother Noah.** Coördination in instruction and in education. (Spec. rep. N. O. exp. 1884-85, pp. 879-883.)
- Brown, George P.** Educational value of manual training. (Circ. inf. 2, 1889, p. 153.)
- Brown, Le Roy D.** Civil service and public schools. (Circ. inf. 3, 1887, p. 63.)
- Brussels, International congress to be held at** pp. 10. (Misc. pubs. 1830.)
- Buchanan, John L.** Best system of State school supervision. (Circ. inf. 3, 1887, p. 167.)
- Buehl, R. K.** Qualifications of teachers. (Circ. inf. 6, 1888, p. 63.)
- Buel, C. J., and others.** Alleged increase of near-sightedness among school children (report). (Spec. rep. N. O. exp. 1884-85, pp. 631-635.)
- **Causes of increasing near-sightedness among school children (report).** (Spec. rep. N. O. exp. 1884-85, pp. 636-641.)
- Buisson, B.** Recent reforms in public instruction, and especially in primary instruction, in France. (Spec. rep. N. O. exp. 1884-85, pp. 349-357.)
- Buisson, Ferdinand, and others.** French commission to the International exhibition of 1876, on American education. pp. 37. (Circ. inf. 5, 1879.)
- Bullock, A. H.** See Framingham State normal school.
- Bureau of Education.** **BARNARD, HENRY.** Memorial for, and bill establishing the United States Department of Education. (An. rep. 1868, p. 3.)
- **EATON, JOHN.** Needs of the United States Bureau of Education. (Circ. inf. 2, 1879, p. 60.)
- **Its history, work, and limitations.** By **ALEXANDER SHEPES.** pp. 16. (Misc. pubs. 1875.)



- Bureau of Education, Library of. (An. rep. 1882-83, pp. vii-xi; 1884-85, p. v.)
- Publications, 1864-87. Index. (An. rep. 1883-87, pp. 1031-1103.)
- Publications, 1867-90. Index. (An. Rep. 1888-89.)
- WARREN, CHARLES. Answers to inquiries about the United States Bureau of Education. pp. 29. (Misc. pubs. 1883.)
- Work accomplished from Aug. 5, 1886, to Sept. 3, 1889. (An. rep. 1887-88, p. 1114.)
- Burns, Alexander. Female education in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 437-441.)
- Bush, George Gary. History of education in Florida. pp. 54. (Circ. inf. 7, 1888.)
- Business colleges. *See* Commercial schools. *See also* Secondary education.
- Business college teacher's and penman's association. *See under* Conventions, etc., educational.
- Butler, Nicholas Murray. Manual training in the public schools. (Circ. inf. 6, 1888, p. 34.)
- Training of teachers, psychology in its relation to pedagogy. (Circ. inf. 2, 1889, p. 26-42.)
- Butterfield, L. A. Visible speech. (Circ. inf. 2, 1880, p. 10.)
- Cajori, Florian. The teaching and history of mathematics in the United States. pp. 400. (Circ. inf. 3, 1896.)
- Calhoun, A. W. Effects of student life on the eyesight. pp. 29. (Circ. inf. 6, 1881.)
- California, Education in. (An. rep. 1870, pp. 87-97; 1871, pp. 75-95; 1872, pp. 14-31; 1873, pp. 19-35; 1874, pp. 16-38; 1875, pp. 21-43; 1876, pp. 23-35; 1877, pp. 13-20; 1878, pp. 14-21; 1879, pp. 13-20; 1880, pp. 18-27; 1881, pp. 13-19; 1882-83, pp. 15-21; 1883-84, pp. 17-26; 1884-85, pp. 17-25.) *For further information see under* State school systems (by States).
- State normal school. (An. rep. 1868, p. 769.)
- Campbell, Frederick M. Address. (Circ. inf. 2, 1889, p. 23.)
- Public education on the Pacific Coast. (Circ. inf. 3, 1887, p. 16.)
- The State and higher education. (Circ. inf. 2, 1889, p. 254.)
- State text-books. (Circ. inf. 3, 1887, p. 173.)
- Canada, Education in. (An. rep. 1871, pp. 490-495; 1872, pp. 544-545; 1873, pp. clxix-clxxi; 1874, pp. cxlvi-cxlvi; 1875, pp. cxxxviii, cxxxix-xli; 1876, p. cxci; 1877, pp. clxxi-clxxii; 1878, pp. clxxv-clxxvi; 1879, pp. cevi-ceviii; 1880, pp. cexxx-cexxxi; 1881, p. celix; 1882-83, pp. cclii-ccliv; 1883-84, pp. cexlix-cclii; 1884-85, pp. cexviii-ccvii.)
- HODGINS, J. G. Agricultural education in Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, p. 442-446.)
- Progress of education in the province of Ontario, Canada; an historical sketch. (Spec. rep. N. O. exp. 1884-85, pp. 315-329.)
- Canfield, S. A. Martha. Training schools of cookery, pp. 49. (Circ. inf. 4, 1879.)
- *See* Holmes, Julia A. and.
- Cape of Good Hope, Education in. (An. rep. 1880, p. cexxix; 1882-83, p. celi; 1884-85, p. ccxvii.)
- Carlyle, William. Influence and effects of a system of uniform and simultaneous examinations on schools and teachers. (Spec. rep. N. O. exp. 1884-85, pp. 392-395.)
- Carroll College. (Wis.) (Circ. inf. 1, 1889, p. 66.)
- Catalogues, school and college. (An. rep. 1887, p. xii.)
- Census, Educational lessons of. By WILLIAM T. HARRIS. (Circ. inf. 3, 1883, p. 24.)
- Census of 1880, in its relation to education. (An. rep. 1881, pp. xxi-xliii.)
- Centennial exhibition. *See* International exhibition, 1876, education at.
- Central America, Education in. (An. rep. 1874, p. cxliv; 1876, p. cxcix.)
- Central College Association. *See under* Conventions, etc., educational.
- Chadbourne, Paul A. Waste of labor in the work of education. pp. 16. (Circ. inf. 4, 1875.)
- Chadwick, Edwin. Stick or no stick (corporal punishment). (Spec. rep. N. O. exp. 1884-85, pp. 371-374.)
- Variations of mental receptivity. (Spec. rep. N. O. exp. 1884-85, pp. 805-806.)
- Charities. DISTRICT OF COLUMBIA. Louise home, aged woman's home, industrial home school, etc. (An. rep. 1874, p. 479; 1878, p. 277.)
- Charity schools, charitable institutions, etc. HOLMES, JULIA A., and CANFIELD, S. A. MARTHA. Reformatory, charitable, and industrial schools for the young, pp. 208. (Circ. inf. 6, 1875.)
- Laws relating to the State public school for dependent children at Coldwater, Mich. (Circ. inf. 2, 1880, p. 63.)
- Organized charities. (An. rep. 1879, p. cxcix.)
- Statistical tables. Orphan asylums, soldiers' orphans' homes, infant asylums, and industrial schools. (An. rep. 1872, pp. 921-926; 1873, pp. 780-799; 1874, pp. 826-862; 1875, pp. 910-946; 1876, pp. 812-867; 1878, pp. 623-677; 1879, pp. 646-697; 1880, pp. 768-823; 1881, pp. 700-755; 1882-83, pp. 730-789; 1883-84, pp. 770-833.)
- *See also* Orphan Asylums.



- Charleston. MAZYCK, ARTHUR. Libraries in Charleston and in the Southern States. (Pub. libs. 1876, p. 882.)
- Chataqua Literary and Scientific Circle. *See under Conventions, etc., Educational.*
- Chautauqua teachers' retreat. Department of the C. L. S. C. (An. rep. 1881, p. 316.)
- Chemistry and physics, Instruction in. By F. W. CLARKE. pp. 219. (Circ. inf. 6, 1880.)
- Chicago public libraries. By W. F. POOLE. (Pub. libs. 1876, p. 893.)
- Children, Protection of. List of societies for the protection of children in the United States. (An. rep. 1879, p. cexxi.)
- Chili, Education in. (An. rep. 1872, pp. 554-556; 1874, p. cxliv; 1876, p. cc; 1880, p. cexxii; 1881, p. cclxxiii; 1883-84, p. cclxi; Circ. inf. Feb. 1872, pp. 33-47.)
- China, Education in. (An. rep. 1871, pp. 489-490; 1882-83, p. cclxviii.)
- Education in. By WILLIAM A. P. MARTIN. pp. 28. (Circ. inf. 1, 1877.)
- China and Siam, Progress of western education in. pp. 13. (Misc. pubs. 1880.)
- Chinese. China seeking modern education. (An. rep. 1872, p. lxx.)
- DAY, H. N. Chinese migration. (An. rep. 1870, pp. 421-434.)
- Education of the Chinese. (An. rep. 1871, p. 17.)
- in CALIFORNIA. (An. rep. 1871, p. 82; 1872, p. 15; 1873, p. 31; 1874, p. 34; 1875, p. 38; 1879, p. 19; 1880, p. 26; 1881, p. 18; 1882-83, p. 20; 1883-84, p. 24; 1884-85, p. 25.)
- in OREGON. (An. rep. 1873, p. 334; 1875, p. 351.)
- Cincinnati public libraries. By W. H. VENABLE. (Pub. libs. 1876, p. 898.)
- City school systems. [In general.] (An. rep. 1886-87, pp. 223-246.)
- Attendance and school population. (An. rep. 1880, p. lxxxiii.)
- City schools. (An. rep. 1882-83, pp. lxvi-xcii; 1883-84, pp. lxxxii-xciii.)
- City school systems in the United States. By JOHN D. PHILBRICK. pp. 207. (Circ. inf. 1, 1885.)
- Condition of education in eight principal cities. (An. rep. 1883-84, p. lxxxviii.)
- Digest of rules and regulations of. (Spec. rep. on D. C. for 1869 pp. 417-464.)
- Discussions of questions relating to. (An. rep. 1887-88 pp. 195-227.)
- Magnitude of the interests involved in city systems. (An. rep. 1885-86, p. 217.)
- Mobile, (Ala.) (Circ. inf. 3, 1889, p. 220.)
- School population, enrollment, and attendance. (An. rep. 1884-85, pp. c-cxv.)
- Statistical tables. (An. rep. 1870, pp. 559-561; 1871, pp. 574-605, 689-690; 1872, pp. 614-698; 1873, pp. 514-572; 1874, pp. 534-558; 1875, pp. 556-586; 1876, pp. 508-549; 1877, pp. 314-355; 1878, pp. 312-354; 1879, pp. 310-359; 1880, pp. 414-463; 1881, pp. 323-378; 1882-83, pp. 324-379; 1883-84, pp. 332-387; 1884-85, pp. 336-391; 1885-86, pp. 238-304.)
- Statistical tables, etc. (An. rep. 1878, pp. l-lxvi; 1886-87, pp. 274-395; 1887-88, pp. 223-378.)
- Statistics of. (Spec. rep. on D. C. for 1869, pp. 403-416.)
- City school systems. [By States.] ALABAMA. (An. rep. 1873, p. 5; 1874, p. 7; 1875, p. 10; 1877, p. 6; 1878, p. 7; 1879, p. 6; 1880, p. 7; 1881, p. 5; 1882-83, p. 5; 1883-84, p. 6; 1884-85, p. 6; 1885-86, p. 246.)
- ARIZONA. (An. rep. 1881, p. 280; 1882-83, p. 234; 1883-84, p. 290; 1884-85, p. 288.)
- ARKANSAS. (An. rep. 1873, p. 14; 1875, p. 18; 1876, p. 19; 1877, p. 9; 1878, p. 11; 1879, p. 10; 1880, p. 15; 1881, p. 10; 1882-83, p. 11; 1883-84, p. 12; 1884-85, p. 13; 1886-87, p. 247.)
- CALIFORNIA. (An. rep. 1870, p. 92; 1871, p. 80; 1872, p. 27; 1873, p. 22; 1874, p. 20; 1875, p. 25; 1876, p. 27; 1877, p. 16; 1878, p. 17; 1879, p. 16; 1880, p. 21; 1881, p. 14; 1882-83, p. 16; 1883-84, p. 18; 1884-85, p. 19; 1885-86, p. 221; 1886-87, p. 247.)
- COLORADO. (An. rep. 1875, p. 471; 1876, p. 38; 1877, p. 22; 1878, p. 23; 1879, p. 22; 1880, p. 31; 1881, p. 21; 1882-83, p. 23; 1883-84, p. 29; 1884-85, p. 27; 1885-86, p. 221; 1886-87, p. 247.)
- CONNECTICUT. (An. rep. 1870, p. 99; 1871, p. 105; 1872, p. 37; 1874, p. 42; 1875, p. 49; 1876, p. 45; 1877, p. 26; 1878, p. 28; 1879, p. 27; 1880, p. 39; 1881, p. 27; 1882-83, p. 30; 1883-84, p. 35; 1884-85, p. 35; 1885-86, p. 221; 1886-87, p. 247.)
- DAKOTA. (An. rep. 1876, p. 436; 1877, p. 277; 1878, p. 271; 1879, p. 268; 1880, p. 358; 1881, p. 292; 1882-83, p. 286; 1883-84, p. 292; 1884-85, p. 290.)
- DELAWARE. (An. rep. 1870, p. 104; 1871, p. 112; 1872, p. 52; 1873, p. 52; 1874, p. 56; 1875, p. 61; 1876, p. 58; 1877, p. 33; 1878, p. 35; 1879, p. 34; 1880, p. 49; 1881, p. 35; 1882-83, p. 33; 1883-84, p. 45; 1884-85, p. 44; 1885-86, p. 223; 1886-87, p. 249.)
- DISTRICT OF COLUMBIA. (An. rep. 1886-87, p. 249.)
- FLORIDA. (An. rep. 1874, p. 67; 1878, p. 39; 1879, p. 38; 1880, p. 55; 1881, p. 39; 1882-83, p. 42; 1883-84, p. 49; 1884-85, p. 47.)

- City school systems.** [By States.] **GEORGIA.** (An. Rep. 1871, p. 126; 1872, p. 67; 1873, p. 71; 1874, p. 72; 1875, p. 73; 1876, p. 70; 1877, p. 39; 1878, p. 45; 1879, p. 41; 1880, p. 61; 1881, p. 42; 1882-83, p. 45; 1883-84, p. 55; 1884-85, p. 52; 1885-86, p. 223; 1886-87, p. 249.)
- **IDAHO.** (An. rep. 1886-87, p. 250.)
- **ILLINOIS.** (An. rep. 1870, p. 117; 1872, p. 96; 1873, p. 83; 1874, p. 83; 1875, p. 83; 1876, p. 81; 1877, p. 45; 1878, p. 51; 1879, p. 48; 1880, p. 69; 1881, p. 49; 1882-83, p. 52; 1883-84, p. 61; 1884-85, p. 59; 1885-86, p. 223; 1886-87, p. 250.)
- **INDIANA.** (An. rep. 1870, p. 126; 1872, p. 110; 1874, p. 102; 1875, p. 102; 1876, p. 99; 1877, p. 54; 1878, p. 61; 1879, p. 58; 1880, p. 81; 1881, p. 58; 1882-83, p. 63; 1883-84, p. 73; 1884-85, p. 70; 1885-86, p. 224; 1886-87, p. 251.)
- **IOWA.** (An. rep. 1875, p. 117; 1876, p. 114; 1877, p. 64; 1878, p. 69; 1879, p. 65; 1880, p. 91; 1881, p. 67; 1882-83, p. 72; 1883-84, p. 83; 1884-85, p. 80; 1885-86, p. 224; 1886-87, p. 252.)
- **KANSAS.** (An. rep. 1871, p. 174; 1872, p. 120; 1873, p. 117; 1875, p. 130; 1877, p. 70; 1878, p. 76; 1879, p. 72; 1880, p. 101; 1881, p. 76; 1882-83, p. 80; 1883-84, p. 92; 1884-85, p. 88; 1885-86, p. 224; 1886-87, p. 253.)
- **KENTUCKY.** (An. rep. 1875, p. 140; 1876, p. 136; 1877, p. 76; 1878, p. 82; 1879, p. 79; 1880, p. 110; 1881, p. 82; 1882-83, p. 85; 1883-84, p. 99; 1884-85, p. 95; 1886-87, p. 254.)
- **LOUISIANA.** (An. rep. 1872, p. 135; 1873, p. 137; 1874, p. 148; 1875, p. 153; 1877, p. 84; 1878, p. 88; 1879, p. 86; 1880, p. 120; 1881, p. 87; 1882-83, p. 91; 1883-84, p. 105; 1884-85, p. 102; 1885-86, p. 225; 1886-87, p. 254.)
- **MAINE.** (An. rep. 1870, p. 154; 1872, p. 142; 1873, p. 146; 1875, p. 162; 1876, p. 158; 1877, p. 88; 1878, p. 92; 1879, p. 90; 1880, p. 127; 1881, p. 92; 1882-83, p. 95; 1883-84, p. 112; 1884-85, p. 109; 1885-86, p. 225; 1886-87, p. 254.)
- **MARYLAND.** (An. rep. 1870, p. 160; 1871, p. 211; 1872, p. 150; 1874, p. 170; 1875, p. 174; 1876, p. 171; 1877, p. 97; 1878, p. 99; 1879, p. 96; 1880, p. 135; 1881, p. 98; 1882-83, p. 101; 1883-84, p. 119; 1884-85, p. 116; 1885-86, p. 225.)
- **MASSACHUSETTS.** (An. rep. 1870, p. 167; 1871, p. 218; 1872, p. 163; 1873, p. 172; 1874, p. 183; 1875, p. 189; 1876, p. 183; 1877, p. 106; 1878, p. 107; 1879, p. 105; 1880, p. 144; 1881, p. 106; 1882-83, p. 110; 1885-86, p. 225; 1886-87, p. 255.)
- **MICHIGAN.** (An. rep. 1870, p. 187; 1871, p. 242; 1874, p. 207; 1875, p. 212; 1876, p. 203; 1877, p. 123; 1878, p. 122; 1879, p. 119; 1880, p. 161; 1881, p. 123; 1882-83, p. 126; 1883-84, p. 144; 1884-85, p. 141; 1885-86, p. 230; 1886-87, p. 261.)
- **MINNESOTA.** (An. rep. 1870, p. 197; 1875, p. 225; 1876, p. 215; 1877, p. 132; 1878, p. 131; 1879, p. 128; 1880, p. 173; 1881, p. 133; 1882-83, p. 136; 1883-84, p. 152; 1884-85, p. 149; 1885-86, p. 230; 1886-87, p. 262.)
- **MISSISSIPPI.** (An. rep. 1876, p. 224; 1877, p. 139; 1878, p. 136; 1879, p. 133; 1880, p. 180; 1881, p. 139; 1882-83, p. 141; 1883-84, p. 158; 1884-85, p. 155; 1885-86, p. 231; 1886-87, p. 263.)
- **MISSOURI.** (An. rep. 1870, p. 205; 1871, p. 263; 1872, p. 207; 1873, p. 225; 1874, p. 239; 1875, p. 244; 1876, p. 232; 1877, p. 145; 1878, p. 142; 1879, p. 138; 1880, p. 187; 1881, p. 144; 1882-83, p. 146; 1883-84, p. 163; 1884-85, p. 159; 1885-86, p. 231; 1886-87, p. 263.)
- **MONTANA.** (An. rep. 1880, p. 379; 1881, p. 297; 1882-83, p. 299.)
- **NEBRASKA.** (An. rep. 1873, p. 238; 1874, p. 253; 1875, p. 258; 1876, p. 244; 1877, p. 154; 1878, p. 151; 1879, p. 146; 1880, p. 196; 1881, p. 152; 1882-83, p. 153; 1883-84, p. 171; 1884-85, p. 168; 1886-87, p. 263.)
- **NEVADA.** (An. rep. 1879, p. 150; 1880, p. 202; 1881, p. 157; 1882-83, p. 159; 1883-84, p. 176; 1884-85, p. 174.)
- **NEW HAMPSHIRE.** (An. rep. 1870, p. 217; 1871, p. 281; 1872, p. 220; 1874, p. 267; 1875, p. 269; 1876, p. 256; 1877, p. 162; 1878, p. 159; 1879, p. 154; 1880, p. 207; 1881, p. 160; 1882-83, p. 162; 1883-84, p. 179; 1884-85, p. 178; 1885-86, p. 231; 1886-87, p. 263.)
- **NEW JERSEY.** (An. rep. 1870, p. 222; 1871, p. 285; 1872, p. 226; 1873, p. 264; 1874, p. 280; 1875, p. 279; 1876, p. 265; 1877, p. 169; 1878, p. 167; 1879, p. 160; 1880, p. 213; 1881, p. 167; 1882-83, p. 168; 1883-84, p. 185; 1884-85, p. 185; 1885-86, p. 232; 1886-87, p. 264.)
- **NEW MEXICO.** (An. rep. 1871, p. 381.)
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- **NORTH CAROLINA.** (An. rep. 1870, p. 252; 1874, p. 320; 1878, p. 187; 1879, p. 182; 1880, p. 239; 1881, p. 194; 1882-83, p. 194; 1883-84, p. 208; 1884-85, p. 211; 1886-87, p. 267.)
- **OHIO.** (An. rep. 1870, p. 255; 1871, p. 320; 1872, p. 273; 1873, p. 315; 1874, p. 329; 1875, p. 331; 1876, p. 309; 1877, p. 197; 1878, p. 192; 1879, p. 187; 1880, p. 247; 1881, p. 201; 1882-83, p. 201; 1883-84, p. 213; 1884-85, p. 214; 1885-86, p. 234; 1886-87, p. 267.)



- City school systems.** [By States.] OREGON. (An. rep. 1871, p. 323; 1873, p. 334; 1874, p. 350; 1875, p. 348; 1876, p. 325; 1877, p. 209; 1878, p. 201; 1879, p. 195; 1880, p. 261; 1881, p. 212; 1882-83, p. 213; 1883-84, p. 223; 1884-85, p. 224; 1885-86, p. 235; 1886-87, p. 268.)
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- SOUTH CAROLINA. (An. rep. 1871, p. 343; 1874, p. 390; 1875, p. 389; 1876, p. 365; 1877, p. 234; 1878, p. 224; 1879, p. 219; 1880, p. 293; 1881, p. 236; 1882-83, p. 237; 1883-84, p. 251; 1884-85, p. 248; 1885-86, p. 236; 1886-87, p. 270.)
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- Clarke, Isaac Edwards. Art and industry. Instruction in drawing applied to the industrial and fine arts. (Spec. rep. 1885.)
- Democracy of art. (Spec. rep. art and industry, 1885, pp. xxxviii-cclviii.)
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- Coeducation of the sexes.** (An. rep. 1883-84, p. cxli.)
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- FAIRCHILD, JAMES H. Coeducation of sexes. Address before college presidents. Springfield, Ill., 1867. (An. rep. 1868, pp. 385-399.)
- In the public schools of the United States. pp. 30. (Circ. inf. 2, 1883.)
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- "Educational beginnings." [Early work of some colonial colleges.] (An. rep. 1878, p. xlv.)
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- WARREN, CHAS. Distribution of college students in 1870-71. (Circ. inf., March, 1872, pp. 43-70.)
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- MICHIGAN.** (An. rep. 1870, p. 135; 1871, p. 239; 1872, p. 185; 1873, p. 196; 1874, p. 211; 1875, p. 215; 1876, p. 205; 1877, p. 125; 1878, p. 124; 1879, p. 122; 1880, p. 164; 1881, p. 127; 1882-83, p. 128; 1883-84, p. 147; 1884-85, p. 144; 1885-86, p. 483; 1887-88, p. 658.)
- MINNESOTA.** (An. rep. 1870, p. 196; 1871, p. 251; 1872, p. 191; 1873, p. 196; 1874, p. 224; 1875, p. 225; 1876, p. 216; 1877, p. 135; 1878, p. 132; 1879, p. 129; 1880, p. 175; 1881, p. 135; 1882-83, p. 137; 1883-84, p. 154; 1884-85, p. 151; 1885-86, p. 483; 1887-88, p. 659.)
- MISSISSIPPI.** (An. rep. 1870, p. 201; 1871, p. 257; 1872, p. 199; 1873, p. 216; 1874, p. 231; 1875, p. 236; 1876, p. 224; 1877, p. 140; 1878, p. 138; 1879, p. 134; 1880, p. 182; 1881, p. 141; 1882-83, p. 142; 1883-84, p. 159; 1884-85, p. 156; 1885-86, p. 484; 1887-88, p. 660.)
- MISSOURI.** (An. rep. 1870, p. 203; 1871, p. 261; 1872, p. 209; 1873, p. 226; 1874, p. 244; 1875, p. 248; 1876, p. 235; 1877, p. 148; 1878, p. 145; 1879, p. 141; 1880, p. 189; 1881, p. 147; 1882-83, p. 148; 1883-84, p. 166; 1884-85, p. 162; 1885-86, p. 484; 1886-87, p. 673; 1887-88, p. 661.)
- MONTANA.** (An. rep. 1884-85, p. 305; 1885-86, p. 484.)
- NEBRASKA.** (An. rep. 1873, p. 235; 1874, p. 256; 1875, p. 259; 1876, p. 245; 1877, p. 155; 1878, p. 152; 1879, p. 147; 1880, p. 198; 1881, p. 154; 1882-83, p. 155; 1883-84, p. 173; 1884-85, p. 169; 1885-86, p. 484; 1887-88, p. 661.)



**Colleges and universities.** [Dy States.] NEVADA. (An. rep. 1873, p. 245; 1875, p. 265; 1876, p. 251; 1877, p. 159; 1878, p. 156; 1879, p. 151; 1880, p. 203; 1881, p. 158; 1883-84, p. 177; 1884-85, p. 175; 1885-86, p. 485.)

— NEW HAMPSHIRE. (An. rep. 1870, p. 216; 1871, p. 278; 1872, p. 220; 1873, p. 252; 1874, p. 270; 1875, p. 271; 1876, p. 253; 1877, p. 163; 1878, p. 161; 1879, p. 156; 1880, p. 208; 1881, p. 162; 1882-83, p. 164; 1883-84, p. 181; 1884-85, p. 180; 1885-86, p. 485; 1887-88, p. 662.)

— NEW JERSEY. (An. rep. 1872, p. 227; 1873, p. 265; 1874, p. 283; 1875, p. 281; 1876, p. 268; 1877, p. 171; 1878, p. 169; 1879, p. 162; 1880, p. 216; 1881, p. 170; 1882-83, p. 171; 1883-84, p. 188; 1884-85, p. 188; 1885-86, p. 485; 1887-88, p. 662.)

— NEW MEXICO. (An. rep. 1878, p. 288.)

— NEW YORK. (An. rep. 1871, p. 296; 1872, p. 247; 1873, p. 288; 1874, p. 304; 1875, p. 301; 1876, p. 283; 1877, p. 181; 1878, p. 178; 1879, p. 173; 1880, p. 223; 1881, p. 182; 1882-83, p. 183; 1883-84, p. 199; 1884-85, p. 200; 1885-86, p. 485; 1887-88, p. 663.)

— NORTH CAROLINA. (An. rep. 1870, p. 250; 1872, p. 265; 1873, p. 303; 1874, p. 321; 1875, p. 323; 1876, p. 300; 1877, p. 192; 1878, p. 188; 1879, p. 183; 1880, p. 241; 1881, p. 196; 1882-83, p. 195; 1883-84, p. 209; 1884-85, p. 211; 1885-86, p. 486; 1886-87, p. 673; 1887-88, p. 667.)

— OHIO. (An. rep. 1870, p. 254; 1872, p. 278; 1873, p. 323; 1874, p. 337; 1875, p. 336; 1876, p. 314; 1877, p. 203; 1878, p. 196; 1879, p. 190; 1880, p. 252; 1881, p. 205; 1882-83, p. 206; 1883-84, p. 218; 1884-85, p. 219; 1885-86, p. 486; 1886-87, p. 673; 1887-88, p. 668.)

— OREGON. (An. rep. 1871, p. 324; 1872, p. 284; 1873, p. 335; 1874, p. 352; 1875, p. 349; 1876, p. 326; 1877, p. 210; 1878, p. 202; 1879, p. 196; 1880, p. 262; 1881, p. 213; 1882-83, p. 214; 1883-84, p. 225; 1884-85, p. 225; 1885-86, p. 487.)

— PENNSYLVANIA. (An. rep. 1870, p. 271; 1871, p. 327; 1872, p. 293; 1873, p. 344; 1874, p. 366; 1875, p. 363; 1876, p. 341; 1877, p. 218; 1878, p. 210; 1879, p. 204; 1880, p. 274; 1881, p. 221; 1882-83, p. 224; 1883-84, p. 236; 1884-85, p. 234; 1885-86, p. 487; 1886-87, p. 673; 1887-88, p. 671.)

— RHODE ISLAND. (An. rep. 1871, p. 337; 1872, p. 308; 1873, p. 358; 1874, p. 383; 1875, p. 382; 1876, p. 358; 1877, p. 229; 1878, p. 219; 1879, p. 215; 1880, p. 287; 1881, p. 232; 1882-83, p. 234; 1883-84, p. 246; 1884-85, p. 244; 1885-86, p. 487; 1887-88, p. 673.)

— SOUTH CAROLINA. (An. rep. 1871, p. 342; 1872, p. 315; 1873, p. 365; 1874, p. 392; 1875, p. 390; 1876, p. 366; 1877, p. 235; 1878, p. 224; 1879, p. 220; 1880, p. 295; 1881, p. 238; 1882-83, p. 238; 1883-84, p. 252; 1884-85, p. 250; 1885-86, p. 487; 1887-88, p. 673; circ. inf. 2, 1888.)

— TENNESSEE. (An. rep. 1871, p. 348; 1872, p. 321; 1873, p. 375; 1874, p. 401; 1875, p. 400; 1876, p. 377; 1877, p. 241; 1878, p. 230; 1879, p. 227; 1880, p. 303; 1881, p. 243; 1882-83, p. 244; 1883-84, p. 258; 1884-85, p. 256; 1885-86, p. 488; 1887-88, p. 674.)

— TEXAS. (An. rep. 1873, p. 386; 1874, p. 412; 1875, p. 411; 1876, p. 387; 1877, p. 247; 1878, p. 236; 1879, p. 233; 1880, p. 313; 1881, p. 249; 1882-83, p. 251; 1883-84, p. 264; 1884-85, p. 262; 1885-86, p. 488; 1887-88, p. 675.)

— UTAH. (An. rep. 1870, p. 329; 1871, p. 383; 1874, p. 502; 1875, p. 514; 1876, p. 461; 1877, p. 292; 1878, p. 291; 1879, p. 286; 1880, p. 385; 1881, p. 302; 1882-83, p. 303; 1883-84, p. 306; 1884-85, p. 310.)

— VERMONT. (An. rep. 1872, p. 337; 1873, p. 388; 1874, p. 419; 1875, p. 417; 1876, p. 396; 1877, p. 252; 1878, p. 241; 1879, p. 239; 1880, p. 320; 1881, p. 254; 1882-83, p. 256; 1883-84, p. 269; 1884-85, p. 266; 1885-86, p. 488; 1887-88, p. 676.)

— VIRGINIA. (An. rep. 1872, p. 343; 1873, p. 397; 1874, p. 429; 1875, p. 429; 1876, p. 404; 1877, p. 259; 1878, p. 247; 1879, p. 246; 1880, p. 330; 1881, p. 260; 1882-83, p. 262; 1883-84, p. 274; 1884-85, p. 273; 1885-86, p. 488; 1887-88, p. 676.)

— WASHINGTON TERRITORY. (An. rep. 1873, p. 465; 1874, p. 503; 1875, p. 517; 1876, p. 464; 1877, p. 295; 1878, p. 294; 1879, p. 288; 1880, p. 389; 1881, p. 305; 1882-83, p. 305; 1883-84, p. 308; 1884-85, p. 314; 1885-86, p. 489.)

— WEST VIRGINIA. (An. rep. 1871, p. 367; 1872, p. 353; 1873, p. 410; 1874, p. 443; 1875, p. 445; 1876, p. 415; 1877, p. 264; 1878, p. 253; 1879, p. 253; 1880, p. 338; 1881, p. 266; 1882-83, p. 267; 1883-84, p. 279; 1884-85, p. 278; 1885-86, p. 488; 1887-88, p. 676.)

— WISCONSIN. (An. rep. 1870, p. 303; 1871, p. 374; 1872, p. 359; 1873, p. 419; 1874, p. 454; 1875, p. 457; 1876, p. 425; 1877, p. 271; 1878, p. 261; 1879, p. 260; 1880, p. 346; 1881, p. 273; 1882-83, p. 274; 1883-84, p. 285; 1885-86, p. 488; 1887-88, p. 676, and circ. inf. 1, 1889.)

**Colleges and seminaries for women.** See Women, education of.

**Colleges of agriculture and the mechanic arts.** See Scientific and technical schools.

**Colleges vs. high schools.** Relation of colleges or universities to public high schools and preparatory schools. (An. rep. 1880, p. cxxxii.)



**Colorado, Education in.** (An. rep. 1870, pp. 318-319; 1871, p. 378; 1872, pp. 367-370; 1873, pp. 429-432; 1874, pp. 463-465; 1875, pp. 470-476; 1876, pp. 36-41; 1877, pp. 21-23; 1878, pp. 22-25; 1879, pp. 21-24; 1880, pp. 28-35; 1881, pp. 20-24; 1882-83, pp. 22-27; 1883-84, pp. 27-32; 1884-85, pp. 26-32.) For further information see under State school systems [by States].

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— FINGER, S. M. Educational and religious interests of the colored people of the South. (Circ. inf. 2, 1886, pp. 123-133.)

— GEORGIA. (An. rep. 1871, p. 134.)

— GOODWIN, M. B. History of schools for the colored population in the District of Columbia. (Spec. rep. on D. C. for 1869, pp. 193-300.)

— History of schools for colored population. I. District of Columbia. II. States. (Spec. rep. on D. C. for 1869, pp. 193-400.)

— ILLINOIS. (An. rep. 1870, p. 112; 1871, p. 138; 1873, p. 79; 1874, p. 81.)

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— INDIAN TERRITORY. (An. rep. 1870, p. 337.)

— KENTUCKY. (An. rep. 1871, p. 185; 1873, p. 125; 1874, p. 133; 1875, p. 139; 1876, p. 136; 1877, p. 75; 1879, p. 78.)

— Legal status of the colored population in respect to schools and education in the different States. (Spec. rep. on D. C. for 1869, pp. 301-400.)

— MARYLAND. (An. rep. 1870, p. 157; 1872, p. 150; 1873, p. 154; 1874, p. 168.)

— MISSOURI. (An. rep. 1870, p. 202; 1871, p. 264; 1872, p. 207; 1874, p. 237; 1875, p. 243; 1876, p. 232; 1878, p. 141.)

— NEVADA. (An. rep. 1871, p. 273; 1872, p. 216; 1873, p. 245.)

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— NEW YORK. (An. rep. 1872, p. 240; 1875, p. 292.)

— NORTH CAROLINA. (An. rep. 1882-83, p. 194.)

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— SOUTH CAROLINA. Negro, education of the. (Circ. inf. 3, 1888, p. 122.)

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**Colombia, United States of.** Education in. (An. rep. 1873, p. clxii; 1874, p. cxlix; 1875, p. cxli; 1881, p. cclxxiv; 1882-83, p. cclxv; 1883-84, p. cclxiv.)

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— MICHIGAN. (An. rep. 1873, p. 195; 1874, p. 206.)

— MINNESOTA. (An. rep. 1873, p. 195.)

— MISSISSIPPI. (An. rep. 1873, p. 213; 1874, p. 230; 1875, p. 235.)

**Compulsory education.** MISSOURI. (An. rep. 1874, p. 238.)

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**Compulsory school laws.** [By States.] (An. rep. 1882-83, p. xxx.)

**Conference of librarians.** *See under Conventions, etc., educational.*

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**Connecticut, Education in.** (An. rep. 1870, pp. 98-102; 1871, pp. 96-107; 1872, pp. 32-50; 1873, pp. 36-48; 1874, pp. 39-54; 1875, pp. 44-59; 1876, pp. 42-54; 1877, pp. 24-31; 1878, pp. 26-33; 1879, pp. 25-32; 1880, pp. 36-46; 1881, pp. 25-33; 1882-83, pp. 28-36; 1883-84, pp. 33-43; 1884-85, pp. 33-42.) *For further information, see under State school systems (by States).*

**Constitutional provisions in regard to education in the several States.** (An. rep. 1868, pp. 79-124.) Same, revision of, 1867-68. (An. rep. 1868, pp. 125-135.)

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**Constitutional provisions in regard to education in the several States of the American Union.** By FRANKLIN B. HOUGH. pp. 130. (Circ. inf. 7, 1875.)

**Conventions, etc., Educational.** [In general.]

— Agricultural college convention. Meeting, Columbus, Ohio, Dec., 1877. (An. rep. 1877, p. 303.)

— Agricultural educational convention. Meeting, Chicago, Aug., 1871. (An. rep. 1871, p. 424.)

— American academy of arts and sciences. Meeting, Boston, May, 1880. (An. rep. 1880, p. 399.)

— American academy of medicine. Meeting, Providence, R. I., Sept., 1880. (An. rep. 1880, p. 402.)

— American antiquarian society. Meeting, Worcester, Oct., 1874. (An. rep. 1874, p. 520.)

— American articulation teachers of the deaf. Meeting, New York, June, 1884. (An. rep. 1883-84, p. 314.)

— American association for the advancement of science. Meeting, Portland, Aug., 1873. (An. rep. 1873, p. 489.) Meeting, Hartford, Aug., 1874. (An. rep. 1874, p. 518.) Meeting, Detroit, Aug., 1875. (An. rep. 1875, p. 543.) Meeting, Buffalo, Aug., 1876. (An. rep. 1876, p. 472.) Meeting, Nashville, Aug., 1877. (An. rep. 1877, p. 300.) Meeting, St. Louis, Aug., 1878. (An. rep. 1878, p. 300.) Meeting, Boston, Aug., 1880. (An. rep. 1880, p. 399.) Meeting, Cincinnati, Aug., 1881. (An. rep. 1881, p. 317.) Meeting, Montreal, Aug., 1882. (An. rep. 1882-83, p. 312.) Meeting, Philadelphia, Sept., 1884. (An. rep. 1883-84, p. 311.) Meeting, Ann Arbor, Aug., 1885. (An. rep. 1884-85, p. 321.)

— American association of instructors of the blind. Meeting, Louisville, Ky., Aug., 1880. (An. rep. 1880, p. 401.)

— American economic association. Organized at Saratoga, Sept., 1885. (An. rep. 1884-85, p. 321.)

— American Froebel union. Meeting, Boston, —, 1879. (An. rep. 1879, p. 300.) Meeting, New York, Mar., 1880. (An. rep. 1880, p. 397.) Meeting, Madison, July, 1884. (An. rep. 1883-84, p. 312.) Meeting, Saratoga, July, 1885. (An. rep. 1884-85, p. 325.)

— American geographical society. Meeting, —, Feb., 1875. (An. rep. 1875, p. 529.)

— American health association. Meeting, Chicago, Sept., 1877. (An. rep. 1877, p. 304.) Meeting, Richmond, Nov., 1878. (An. rep. 1878, p. 301.) Meeting, New Orleans, Dec., 1880. (An. rep. 1880, p. 402.)

— American historical association. Second annual meeting, Saratoga. (An. rep. 1884-85, p. 321.)

— American institute of christian philosophy. Meeting, Warwick Woodlands, N. Y., July, 1881. (An. rep. 1881, p. 317.)

— American institute of civics. First meeting, Saratoga, July, 1885. (An. rep. 1884, p. 322.)



- Conventions, etc., Educational.** [In general.] American institute of instruction. Meeting, Worcester, July, 1870. (An. rep. 1870, p. 409.) Meeting, Fitchburg, July, 1871. (An. rep. 1871, p. 420.) Meeting, Lewiston, Me., Aug., 1872. (An. rep. 1872, p. 427.) Meeting, North Adams, —, 1874. (An. rep. 1874, p. 520.) Meeting, Providence, July, 1875. (An. rep. 1875, p. 536.) Meeting, Montpelier, July, 1877. (An. rep. 1877, p. 299.) Meeting, Fabyan House, N. H., July, 1878. (An. rep. 1878, p. 297.) Meeting, Fabyan House, N. H., —, 1879. (An. rep. 1879, p. 293.) Meeting, Saratoga, July, 1880. (An. rep. 1880, p. 395.) Meeting, St. Albans, July, 1881. (An. rep. 1881, p. 313.) Meeting, Fabyan's, July, 1883. (An. rep. 1883-84, p. 312.) Meeting, Newport, July, 1885. (An. rep. 1884-85, p. 320.)
- American instructors of the deaf and dumb. (An. rep. 1882-83, p. 313; 1884-85, p. 320.)
- American medical association. Meeting, Buffalo, N. Y., June, 1878. (An. rep. 1878, p. 293.) Meeting, Atlanta, Ga., May, 1879. (An. rep. 1879, p. 299.) Meeting, New York, May, 1880. (An. rep. 1880, p. 403.) Meeting, Richmond, May, 1881. (An. rep. 1881, p. 317.) Meeting, St. Paul, June, 1882. (An. rep. 1882-83, p. 311.) Meeting, Washington, May, 1884. (An. rep. 1883-84, p. 313.)
- American missionary association. Conference, Nashville, Dec. 1881. (An. rep. 1881, p. 316.)
- American normal association. Meeting, Cleveland, Aug. 14, 1870. (An. rep. 1870, p. 407.)
- NOTE.—See note under National educational association:
- American Oriental society. Meeting, New York, Oct., 1874. (An. rep. 1874, p. 520.)
- American philological association (organized in 1863). Meeting, Hartford, July, 1874. (An. rep. 1874, p. 519.) Meeting, Newport, July, 1875. (An. rep. 1875, p. 535.) Meeting, New York, July, 1876. (An. rep. 1876, p. 468.) Meeting, Baltimore, July, 1877. (An. rep. 1877, p. 302.) Meeting, Philadelphia, July, 1880. (An. rep. 1880, p. 397.) Meeting, Cleveland, July, 1881. (An. rep. 1881, p. 315.) Meeting, Cambridge, July, 1882. (An. rep. 1882-83, p. 313.) Meeting, Hanover, July, 1884. (An. rep. 1883-84, p. 313.)
- American social science association. Meeting, New York, May, 1874. (An. rep. 1874, p. 521.) Meeting, Detroit, May, 1875. (An. rep. 1875, p. 531.) Meeting, Saratoga, Sept., 1876. (An. rep. 1876, p. 469.) Meeting, Saratoga, Sept., 1877. (An. rep. 1877, p. 301.) Meeting, Saratoga, Sept., 1879. (An. rep. 1879, p. 297.) Meeting, Saratoga, Sept., 1880. (An. rep. 1880, p. 400.) Meeting, Saratoga, Sept., 1881. (An. rep. 1881, p. 314.) Meeting, Saratoga, Sept., 1882. (An. rep. 1882-83, p. 314.) Meeting, Saratoga, Sept., 1885. (An. rep. 1884-85, p. 321.)
- Association of normal school teachers (of New York and Canada). Meeting, Westfield, N. Y. (An. rep. 1874, p. 522.)
- Business college teachers' and penmen's association. Meeting, Chicago, July, 1880. (An. rep. 1880, p. 398.) Meeting, Rochester, July, 1884. (An. rep. 1883-84, p. 314.)
- Central college association. Meeting, Oberlin, Ohio, Aug. 23, 1870. (An. rep. 1870, pp. 410-411.)
- Chautauqua literary and scientific circle. Twelfth annual meeting, Chautauqua, N. Y., July, 1885. (An. rep. 1884-85, p. 324.)
- College presidents. Meeting at Hanover, N. H., Nov., 1874. (An. rep. 1874, p. 521.)
- Conference of librarians. Meeting, Philadelphia, Oct., 1876. (An. rep. 1876, p. cxxx.) Meeting, Boston, June or July, 1879. (An. rep. 1879, p. 297.)
- Conference of officers of prisons and reformatories. (An. rep. 1883-84, p. 314.)
- Conference of principals of schools for the deaf and dumb. Meeting, Northampton, Mass., May, 1880. (An. rep. 1880, p. 401.)
- Educational conventions and anniversaries during the summer of 1876, pp. —. (Misc. pubs. 187-.)
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- German-American teachers' union. Meeting, Cincinnati, Aug., 1871. (An. rep. 1871, p. 422.) Meeting, Hoboken, N. J., July, 1872. (An. rep. 1872, p. 428.)
- German-American teachers' association. Meeting, New York, July, 1878. (An. rep. 1878, p. 299.) Meeting, Cincinnati, July, 1879. (An. rep. 1879, p. 295.) Meeting, Newark, N. J., July, 1880. (An. rep. 1880, p. 397.)
- Homœopathic intercollegiate congress. Meeting, Indianapolis, Ind., April, 1879. (An. rep. 1879, p. 300.)
- Intercollegiate literary association. Meeting, Hartford, —, 1876. (An. rep. 1876, p. 471.) Meeting, New York, Jan., 1877. (An. rep. 1877, p. 303.) Meeting, New York, Jan., 1878. (An. rep. 1878, p. 293.) Meeting, New York (?), Jan., 1879. (An. rep. 1879, p. 296.)



**Conventions, etc., Educational.** [In general.] International conference on education. Philadelphia, 1876. p. 92. (Misc. pubs. 1877.)

— International educational congress at Havre. pp. 6. (Misc. pubs. 1885.)

— International educational congress to be held at Brussels, Belgium, Aug., 1880. pp. 10. (Misc. pubs. 1880.)

— International normal educational conference. Formation of, at Thousand Islands Park, in 1878, and meeting at same place, Aug., 1879. (An. rep. 1879, p. 297.) Meeting (under name of International society for investigating and promoting the science of teaching), at same place, Aug., 1880. (An. rep. 1880, p. 396.)

— Interstate collegiate oratorical contest. Held at Oberlin, O., May, 1880. (An. rep. 1880, p. 398.)

— Interstate educational convention, Chattanooga, Tenn., 1875. (An. rep. 1875, p. 534.)

— Kindergarten convention. Meeting at Detroit, Dec., 1879. (An. rep. 1879, p. 300.)

— Methodist Episcopal, Boston, Nov., 1874. (An. rep. 1871, p. 417.)

— Modern language association. Second annual meeting, New York, Dec., 1884. (An. rep. 1884-85, p. 323.)

— Music teachers' national association. Meeting, Cleveland, July, 1884. (An. rep. 1883-84, p. 314.)

— National academy of sciences. Meeting, New York, Oct., 1879. (An. rep. 1879, p. 298.) Semi-annual meeting, Washington, April, 1880. (An. rep. 1880, p. 400.) Meeting, New York, Nov., 1880. (An. rep. 1880, p. 400.) Meeting, Washington, April, 1882. (An. rep. 1882-83, p. 311.) Meeting, Washington, April, 1884. (An. rep. 1883-84, p. 312.)

— National association for sanitary and rural improvements. Meeting, Greenwood Lake, N. Y., July, 1882. (An. rep. 1882-83, p. 311.)

— National Baptist educational conventions. Meeting, Brooklyn, April, 1870. (An. rep. 1871, p. 418.) Meeting, Philadelphia, May, 1872. (An. rep. 1872, p. 428.)

— National conference of charities and corrections. Held at Boston, July, 1881. (An. rep. 1881, p. 315.)

— National council of education. Formation of, at Chautauqua, July, 1880. (An. rep. 1880, p. 394.) Meeting, Atlanta, July, 1881. (An. rep. 1881, p. 312.) Meeting, Saratoga, July, 1882. (An. rep. 1882-83, p. 309.) Meeting, Madison, July, 1884. (An. rep. 1883-84, p. 311.)

— National eclectic medical association. Meeting, Chicago, June, 1880. (An. rep. 1880, p. 403.)

— National educational assembly. First annual meeting, Ocean Grove, N. J., Aug., 1882. (An. rep. 1882-83, p. 312.)

— National educational association. Meeting, St. Louis, Aug., 1871. (An. rep. 1871, p. 412.) Meeting, Boston, Aug., 1872. (An. rep. 1872, p. 419.) Meeting, Elmira, Aug., 1873. (An. rep. 1873, p. 423.) Meeting, Detroit, Aug., 1874. (An. rep. 1874, p. 517.) Meeting, Minneapolis, Aug., 1875. (An. rep. 1875, p. 540.) Meeting, Baltimore, July, 1876. (An. rep. 1876, p. 466.) Meeting, Louisville, Aug., 1877. (An. rep. 1877, p. 298.) Meeting, Philadelphia, July, 1879. (An. rep. 1879, p. 292.) Meeting, Chautauqua, July, 1880. (An. rep. 1880, p. 393.) Meeting, Atlanta, July, 1881. (An. rep. 1881, p. 308.) Meeting, Saratoga (with American institute of instruction), July, 1882. (An. rep. 1882-83, p. 308.) Meeting, Saratoga, July, 1883. (An. rep. 1883-84, p. 310.) Meeting, Madison, July, 1884. (An. rep. 1883-84, p. 310.) Meeting, Saratoga, July, 1885. (An. rep. 1884-85, p. 318.)

— Department of superintendence of. Proceedings, 1874. pp. 77. (Circ. inf. 1, 1874.) Proceedings [with alphabetical chart], 1875. pp. 114. (Circ. inf. 1, 1875.) Proceedings, 1877 and 1879, and proceedings of the conference of college presidents and delegates, Columbus, O., Dec. 1877. pp. 192. (Circ. inf. 2, 1879.) Proceedings, 1880. pp. 112. (Circ. inf. 2, 1880.) Proceedings, 1881. pp. 79. (Circ. inf. 3, 1881.) Proceedings, 1882. pp. 112. (Circ. inf. 2, 1882.) Proceedings, 1883. pp. 81. (Circ. inf. 3, 1883.) Proceedings, 1884. pp. 176. (Circ. inf. 4, 1884.) Proceedings, 1886. pp. 91. (Circ. inf. 2, 1886.) Proceedings, 1887. pp. 200. (Circ. inf. 3, 1887.) Proceedings, 1888. pp. 165. (Circ. inf. 6, 1888.) Proceedings, 1889. pp. 300. (Circ. inf. 2, 1889.)

**NOTE.**—Formed by consolidation of the National teachers' association, the National superintendents' association, and the American normal school association; organized into a general association with four departments, viz: Elementary department, Normal department, Department of higher education, and Department of superintendence.

— National teachers' association. Meeting of, at Cleveland, Ohio, Aug. 17, 1870. (An. rep. 1870, pp. 406-407.)

— National teachers' reading circle. Meeting at Saratoga, July, 1885. (An. rep. 1884-85, p. 314.)

- Conventions, etc., Educational.** [In general.] New England association of school superintendents. Meeting, Boston, Oct., 1873. (An. rep. 1873, p. 490.) Semi-annual meeting, Boston, May, 1875. (An. rep. 1875, p. 529.) Semi-annual meeting, Boston, Oct., 1876. (An. rep. 1876, p. 470.) Semi-annual meeting, Boston, May, 1877. (An. rep. 1877, p. 300.) Semi-annual meeting, Boston, Oct., 1878. (An. rep. 1878, p. 300.) Semi-annual meeting, Boston, May, 1879. (An. rep. 1879, p. 295.) Semi-annual meeting, Boston, Oct., 1879. (An. rep. 1879, p. 295.) Semi-annual meeting, Boston, May, 1880. (An. rep. 1880, p. 395.) Semi-annual meeting, Boston, Oct., 1880. (An. rep. 1880, p. 396.) Semi-annual meeting, Boston, May, 1881. (An. rep. 1881, p. 312.) Semi-annual meeting, Boston, Oct., 1881. (An. rep. 1881, p. 312.) Semi-annual meeting, Boston, May, 1882. (An. rep. 1882-83, p. 310.) Semi-annual meeting, Boston, Oct., 1882. (An. rep. 1882-83, p. 310.) Semi-annual meeting, Boston, May, 1884. (An. rep. 1883-84, p. 313.) Semi-annual meeting, Boston, Oct., 1885. (An. rep. 1884-85, p. 322.)
- New England Baptist educational convention. Worcester, May, 1871. (An. rep. 1871, p. 418.)
- New England normal school teachers' association. Eighth annual meeting, Boston, Feb., 1885. (An. rep. 1884-85, p. 323.)
- Northwestern interstate collegiate association. Meeting at Iowa City, May, 1879. (An. rep. 1879, p. 296.)
- Pedagogical association. Meeting at (?) Nov., 1879. (An. rep. 1879, p. 299.) Meeting at Ann Arbor, Mich., Jan., 1880. (An. rep. 1880, p. 396.)
- Society for political education. Meeting (?) (An. rep. 1880, p. 402.)
- Southern educational association. Meeting at Chattanooga, Tenn., Aug., 1878. (An. rep. 1878, p. 299.)
- Spelling reform association. Meeting at Baltimore, July, 1877. (An. rep. 1877, p. 303.) Meeting at Chautauqua, July, 1880. (An. rep. 1880, p. 397.) Meeting at Harvard university, July, 1882. (An. rep. 1882-83, p. 314.) Meeting at Hanover, N. H., July, 1884. (An. rep. 1883-84, p. 313.)
- Western Baptist educational convention. Chicago, May, 1871. (An. rep. 1871, p. 419.)
- Conventions, etc., Educational.** [By States.]
- ALABAMA. (An. rep. 1871, p. 69; 1872, p. 6; 1880, p. 10; 1881, p. 8; 1882-83, p. 9; 1883-84, p. 10; 1884-85, p. 10.)
- ARKANSAS. (An. rep. 1871, p. 72; 1877, p. 12; 1878, p. 13; 1879, p. 12; 1880, p. 17; 1881, p. 12; 1882-83, p. 13; 1883-84, p. 16; 1884-85, p. 16.)
- CALIFORNIA. (An. rep. 1876, p. 34; 1877, p. 20; 1878, p. 21; 1879, p. 19; 1880, p. 25; 1881, p. 19; 1882-83, p. 21; 1883-84, p. 25; 1884-85, p. 25.)
- CALIFORNIA State teachers' institute. Meeting, San Francisco, Sept. 13, 1870. (An. rep. 1870, p. 416.)
- COLORADO. (An. rep. 1875, p. 476; 1878, p. 25; 1879, p. 24; 1880, p. 34; 1881, p. 24; 1882-83, p. 26; 1884-85, p. 31.)
- CONNECTICUT. (An. rep. 1871, p. 107; 1872, p. 35; 1875, p. 58; 1877, p. 30; 1878, p. 32; 1879, p. 31; 1880, p. 44; 1881, p. 32; 1882-83, p. 35; 1883-84, p. 42; 1884-85, p. 41.)
- CONNECTICUT. State teachers' association. Meeting, New Haven, Oct. 20, 1870. (An. rep. 1870, p. 413.)
- DAKOTA. (An. rep. 1877, p. 277; 1878, p. 272.)
- DELAWARE. (An. rep. 1875, p. 63; 1880, p. 51; 1881, p. 37; 1883-84, p. 47.)
- DISTRICT OF COLUMBIA. (An. rep. 1880, p. 367; 1881, p. 290; 1882-83, p. 292; 1883-84, p. 297; 1884-85, p. 298.)
- FLORIDA. (An. rep. 1881, p. 40; 1882-83, p. 43.)
- GEORGIA. (An. rep. 1875, p. 78; 1877, p. 42; 1878, p. 48; 1879, p. 45; 1880, p. 64; 1881, p. 46; 1882-83, p. 48; 1883-84, p. 58; 1884-85, p. 56.)
- ILLINOIS. (An. rep. 1870, p. 113; 1872, p. 104; 1874, p. 94; 1875, p. 94; 1876, p. 91; 1877, p. 51; 1878, p. 57; 1879, p. 54; 1880, p. 76; 1881, p. 55; 1882-83, p. 58; 1883-84, p. 69; 1884-85, p. 67.)
- INDIANA. (An. rep. 1873, p. 104; 1874, p. 109; 1875, p. 110; 1876, p. 107; 1877, p. 59; 1878, p. 66; 1879, p. 62; 1880, p. 85; 1881, p. 64; 1882-83, p. 68; 1883-84, p. 80; 1884-85, p. 76.)
- State collegiate association. Meeting at Indianapolis, July 7, 1870. (An. rep. 1870, p. 415.)
- IOWA. (An. rep. 1870, p. 120; 1875, p. 123; 1876, p. 119; 1877, p. 68; 1878, p. 72; 1879, p. 69; 1880, p. 95; 1881, p. 73; 1882-83, p. 77; 1883-84, p. 89; 1884-85, p. 85.)
- KANSAS. (An. rep. 1873, p. 120; 1875, p. 134; 1878, p. 80; 1879, p. 75; 1880, p. 105; 1881, p. 80; 1882-83, p. 83; 1883-84, p. 95; 1884-85, p. 93.)
- KANSAS State teachers' association. Annual meeting, June 29, 1870. (An. rep. 1870, p. 411.)
- KENTUCKY. (An. rep. 1871, p. 189; 1872, p. 129; 1873, p. 131; 1874, p. 141; 1875, p. 147; 1876, p. 142; 1877, p. 80; 1878, p. 86; 1879, p. 82; 1880, p. 115; 1881, p. 85; 1882-83, p. 89; 1883-84, p. 103; 1884-85, p. 99.)



- Conventions, etc., Educational. [By States.] LOUISIANA. (An. rep. 1873, p. 140; 1880, p. 122; 1881, p. 90; 1883-84, p. 110; 1884-85, p. 106.)
- MAINE. (An. rep. 1871, p. 206; 1872, p. 146; 1873, p. 150; 1874, p. 165; 1875, p. 167; 1876, p. 162; 1877, p. 93; 1878, p. 95; 1879, p. 93; 1880, p. 131; 1881, p. 95; 1882-83, p. 99; 1883-84, p. 117; 1884-85, p. 113.)
- MARYLAND. (An. rep. 1873, p. 162; 1874, p. 177; 1875, p. 181; 1877, p. 100; 1878, p. 103; 1879, p. 100; 1881, p. 103; 1882-83, p. 106; 1883-84, p. 125; 1884-85, p. 123.)
- MASSACHUSETTS. (An. rep. 1871, p. 236; 1872, p. 177; 1873, p. 186; 1874, p. 197; 1875, p. 203; 1877, p. 116; 1878, p. 117; 1879, p. 115; 1880, p. 155; 1881, p. 119; 1882-83, p. 122; 1883-84, p. 141; 1884-85, p. 138.)
- MICHIGAN. (An. rep. 1874, p. 216; 1875, 219; 1876, p. 209; 1877, p. 128; 1878, p. 128; 1879, p. 126; 1880, p. 168; 1881, p. 130; 1882-83, p. 133; 1883-84, p. 150; 1884-85, p. 146.)
- Association of county superintendents. Meeting at Grand Rapids, Aug. 8, 1870. (An. rep. 1870, p. 412.)
- State teachers' association. Meeting at Grand Rapids, Aug. 10, 1870. (An. rep. 1870, p. 414.)
- MINNESOTA. (An. rep. 1871, p. 253; 1872, pp. 190-192; 1876, p. 219; 1877, p. 136; 1878, p. 134; 1879, p. 131; 1880, p. 176; 1881, p. 136; 1882-83, p. 139; 1883-84, p. 155; 1884-85, p. 153.)
- MISSISSIPPI. (An. rep. 1877, p. 141; 1878, p. 139; 1879, p. 135; 1881, p. 142; 1882-83, p. 144; 1883-84, p. 161.)
- MISSOURI. (An. rep. 1873, p. 230; 1874, p. 248; 1875, p. 253; 1876, p. 239; 1877, p. 151; 1878, p. 147; 1879, p. 143; 1880, p. 192; 1881, p. 150; 1882-83, p. 151; 1883-84, p. 169; 1884-85, p. 165.)
- MONTANA. (An. rep. 1882-83, p. 300; 1883-84, p. 303; 1884-85, 305.)
- NEBRASKA. (An. rep., 1873, p. 239; 1874, p. 258; 1875, p. 261; 1876, p. 246; 1877, p. 156; 1878, p. 153; 1879, p. 148; 1880, p. 199; 1883-84, p. 174; 1884-85, p. 171.)
- NEVADA. (An. rep. 1878, p. 157; 1883-84, p. 177; 1884-85, p. 175.)
- NEW HAMPSHIRE. (An. rep. 1872, p. 222; 1873, p. 254; 1874, p. 274; 1875, p. 273; 1876, p. 259; 1877, p. 164; 1878, p. 162; 1879, p. 157; 1880, p. 209; 1881, p. 163; 1882-83, p. 165; 1883-84, p. 182; 1884-85, p. 181.)
- NEW JERSEY. (An. rep. 1875, p. 285; 1877, p. 173; 1878, p. 171; 1879, p. 164; 1881, p. 171; 1882-83, p. 173; 1883-84, p. 190; 1884-85, p. 190.)
- NEW YORK. (An. rep. 1872, pp. 234, 253; 1873, p. 293; 1874, p. 311; 1875, p. 311; 1876, p. 291; 1877, p. 184; 1878, p. 182; 1879, p. 178; 1880, p. 233; 1881, p. 190; 1882-83, p. 188; 1883-84, p. 204; 1884-85, p. 206.)
- New York State teachers' association. Meeting at Syracuse, July 26, 1870. (An. rep. 1870, p. 416.)
- NORTH CAROLINA. (An. rep. 1873, p. 304; 1874, p. 323; 1875, p. 325; 1877, p. 193; 1878, p. 189; 1879, p. 184; 1880, p. 242; 1881, p. 198; 1882-83, p. 197; 1883-84, p. 210.)
- OHIO. (An. rep. 1872, p. 280; 1874, p. 344; 1875, p. 343; 1876, p. 320; 1877, p. 205; 1878, p. 198; 1879, p. 192; 1880, p. 255; 1881, p. 208; 1882-83, p. 210; 1883-84, p. 221; 1884-85, p. 222.)
- Ohio State teachers' association. Annual meeting, Columbus, July 5, 1870. (An. rep. 1870, p. 411.)
- OREGON. (An. rep. 1876, p. 328; 1878, p. 203; 1879, p. 197; 1880, p. 263; 1881, p. 214; 1882-83, p. 215; 1883-84, p. 226.)
- PENNSYLVANIA. (An. rep. 1871, p. 327; 1872, p. 300; 1873, p. 349; 1874, p. 372; 1875, p. 370; 1877, p. 222; 1878, p. 213; 1879, p. 208; 1880, p. 279; 1881, p. 226; 1883-84, p. 241; 1884-85, p. 238.)
- RHODE ISLAND. (An. rep. 1873, p. 358; 1874, p. 384; 1875, p. 383; 1876, p. 359; 1877, p. 230; 1878, p. 220; 1879, p. 216; 1880, p. 288; 1881, p. 233; 1882-83, p. 235; 1883-84, p. 247; 1884-85, p. 245.)
- SOUTH CAROLINA. (An. rep. 1876, p. 368; 1880, p. 296; 1881, p. 239; 1882-83, p. 240; 1883-84, p. 254; 1884-85, p. 252.)
- TENNESSEE. (An. rep. 1871, p. 348; 1872, p. 325; 1873, p. 378; 1874, p. 405; 1875, p. 404; 1877, p. 243; 1878, p. 231; 1879, p. 229; 1880, p. 306; 1881, p. 245; 1882-83, p. 246; 1883-84, p. 260; 1884-85, p. 258.)
- TEXAS. (An. rep. 1873, p. 387; 1878, p. 237; 1879, p. 234; 1880, p. 315; 1881, p. 250; 1882-83, p. 252; 1883-84, p. 265; 1884-85, p. 263.)
- UTAH TERRITORY. (An. rep. 1880, p. 385.)
- VERMONT. (An. rep. 1871, p. 355; 1872, p. 335; 1874, p. 421; 1875, p. 419; 1876, p. 397; 1877, p. 253; 1878, p. 242; 1879, p. 240; 1880, p. 322; 1881, p. 255; 1882-83, p. 257; 1883-84, p. 270; 1884-85, p. 267.)
- VIRGINIA. (An. rep. 1872, p. 346; 1873, p. 402; 1874, p. 436; 1875, p. 436; 1876, p. 408; 1877, p. 260; 1878, p. 249; 1879, p. 248; 1880, p. 332; 1881, p. 262; 1883-84, p. 276; 1884-85, p. 275.)



- Conventions, etc., Educational. [By States.] VIRGINIA. County superintendents' meeting at Richmond, Nov. 2, 1870. (An. rep. 1870, p. 415.)
- WASHINGTON TERRITORY. (An. rep. 1877, p. 295; 1879, p. 289; 1880, p. 389; 1881, p. 305.)
- WEST VIRGINIA. (An. rep. 1872, pp. 352, 353; 1874, p. 445; 1875, p. 446; 1876, p. 416; 1877, p. 265; 1878, p. 254; 1879, p. 254; 1880, p. 339; 1881, p. 267; 1882-83, p. 268; 1883-84, p. 280; 1884-85, p. 279.)
- WISCONSIN. (An. rep. 1871, p. 372; 1872, p. 362; 1873, p. 422; 1874, p. 457; 1875, p. 460; 1876, p. 427; 1877, p. 273; 1878, p. 263; 1879, p. 262; 1880, p. 349; 1881, p. 276; 1882-83, p. 276; 1883-84, p. 241; 1884-85, p. 285.)
- WISCONSIN State teachers' association. Meeting, Watertown, July 12, 1870. (An. rep. 1870, p. 415.)
- Council, W. H. Need of educated labor in the South. (Circ. inf. 5, 1888, p. 80.)
- Country schools. *See* Rural schools.
- Courses of study.
- Colleges for women. (An. rep. 1887-88, pp. 594, 614-621.)
- ELIOT, C. W. Can school programmes be shortened and enriched? (An. rep. 1886-87, pp. 1005-1014.)
- Kindergarten training schools. (An. rep. 1886-87, p. 491; 1887-88, pp. 479, 489.)
- Length of, in colleges. (An. rep. 1885-86, pp. 499-508.)
- Nurses' training schools. (An. rep. 1886-87, p. 815; 1887-88, p. 942.)
- Normal schools in France. (An. rep. 1885-86, p. 318.)
- Normal schools in Prussia. (An. rep. 1885-86, p. 316.)
- Normal schools in Saxony. (An. rep. 1885-86, p. 317.)
- Private schools. (An. rep. 1885-86, p. 361.)
- Secondary schools. (An. rep. 1886-87, pp. 494, 495, 503.)
- Courses of study [by States]:
- ALABAMA. (An. rep. 1885-86, p. 48.)
- ALASKA. (An. rep. 1887-88, p. 10.)
- CALIFORNIA. (An. rep. 1873, pp. 22, 26; 1885-86, p. 55.)
- COLORADO. (An. rep. 1882-83, pp. 26, 27; 1885-86, p. 59.)
- CONNECTICUT. (An. rep. 1885-86, p. 61.)
- State normal and training school. Course of instruction. (An. rep. 1885-86, p. 311.)
- DAKOTA TERRITORY. (An. rep. 1887-88, p. 98.)
- DELAWARE. (An. rep. 1873, p. 54; 1874, p. 55.)
- DISTRICT OF COLUMBIA. (An. rep. 1873, pp. 435, 437; 1887-88, p. 103.)
- FLORIDA. (An. rep. 1885-86, p. 72.)
- ILLINOIS. (An. rep. 1873, p. 81; 1885-86, p. 77.)
- INDIANA. (An. rep. 1873, p. 101; 1885-86, p. 82; 1886-87, pp. 178-187, 188.)
- Indiana State normal school. Course of instruction, with explanatory remarks. (An. rep. 1885-86, p. 311.)
- KANSAS. (An. rep. 1874, p. 125; 1885-86, p. 95; 1887-88, p. 111.)
- KENTUCKY. (An. rep. 1874, p. 133; 1885-86, p. 99.)
- MAINE. (An. rep. 1885-86, p. 102; 1886-87, p. 141.)
- MARYLAND. (An. rep. 1874, p. 168; 1885-86, p. 104.)
- MASSACHUSETTS. (An. rep. 1874, pp. 182, 183; 1885-86, p. 107.)
- MISSISSIPPI. (An. rep. 1885-86, p. 116.)
- NEBRASKA. (An. Rep. 1873, pp. 236, 237; 1885-86, p. 122; 1887-88, p. 123.)
- NEVADA. (An. rep. 1885-86, p. 125.)
- NEW HAMPSHIRE. (An. rep. 1873, pp. 252, 253.)
- NEW JERSEY. (An. rep. 1873, p. 265; 1885-86, p. 130.)
- NEW YORK. (An. rep. 1873, pp. 277, 280; 1885-86, p. 134.)
- State normal school at Albany, course of study in. (An. rep. 1885-86, p. 311; 1886-87, p. 434.)
- NORTH CAROLINA. (An. rep. 1885-86, p. 139.)
- OHIO. (An. rep. 1874, pp. 328, 315, 318; 1887-88 (Marietta College), p. 670.)
- OREGON. (An. rep. 1885-86, p. 145.)
- PENNSYLVANIA. (An. rep. 1874, pp. 353, 359; 1885-86, p. 148.)
- PENNSYLVANIA State normal school. (An. rep. 1886-87, p. 440.)
- SOUTH CAROLINA. (An. rep. 1885-86, p. 156; 1887-88, p. 673.)
- TENNESSEE. (An. rep. 1885-86, p. 156.)
- TEXAS. (An. rep. 1885-86, p. 162.)
- VERMONT. (An. rep. 1885-86, p. 163.)
- VIRGINIA. (An. rep. 1874, p. 398; 1885-86, p. 172; 1887-88, p. 153.)
- WEST VIRGINIA. (An. rep. 1885-86, p. 181; 1887-88, p. 155.)
- WISCONSIN. (An. rep. 1885-86, p. 188; 1887-88, p. 156.)
- Cutter, Charles A. Library catalogues. (Pub. libs. 1876, pp. 526-622.)
- Rules for a printed dictionary catalogue, pp. 89. (Spec. rep. pub. libs., part II.)
- Same, second edition, with corrections and additions, pp. 133. (Spec. rep. 1889.)

- Cutter, Ephraim. Relation of medicine to music. (Circ. inf. 1, 1886, p. 35.)
- Dakota, Education in. (An. rep. 1870, pp. 319-320; 1871, p. 379; 1872, pp. 371-372; 1873, p. 433; 1874, pp. 466-468; 1875, pp. 477-480; 1876, pp. 434-436; 1877, pp. 276-277; 1878, pp. 270-272; 1879, p. 267-269; 1880, pp. 356-359; 1881, pp. 281-284; 1882-83, pp. 285-287; 1883-84, pp. 291-293; 1884-85, pp. 290-293.) *For further information see under State school systems, by States.*
- Dall, William H. Alaska. (An. rep. 1875, pp. 463-466.)
- Davis, N. S. Contributions to the history of medical education and medical institutions in the United States of America, 1776-1876, p. 60. (Spec. rep. 1877.)
- Dawson, N. H. R. (*Commissioner of Education from August 5, 1886, to September 3, 1889.*) Address of welcome to the department of superintendence of the national educational association. (Circ. inf. 3, 1887, p. 11.)
- ALASKA. (Circ. inf. 6, 1888, p. 119.)
- Education in Alaska. (An. rep. 1885-86, p. XIX.)
- Day, H. N. Chinese migration. (An. rep. 1870, pp. 422-434.)
- Day, L. W. The examination of teachers. (Circ. inf. 2, 1889, p. 219.)
- Deaf and dumb. [In general.] American asylum for the deaf and dumb, Hartford. (An. rep. 1872, p. 37; 1873, p. 44; 1874, p. 51; 1875, p. 51; 1876, p. 52; 1877, p. 29; 1878, p. 32; 1879, p. 30; 1880, p. 43; 1881, p. 30; 1882-83, p. 34; 1883-84, p. 41; 1884-85, p. 41.)
- BUTTERFIELD, L. A. Visible speech. (Circ. inf. 2, 1880, p. 10.)
- Conference of principals of schools for the deaf and dumb. Meeting, Northampton, Mass., May, 1880. (An. rep. 1880, p. 401.)
- Deaf-mute instruction. (An. rep. 1878, p. cxxvi.)
- Education of the deaf. (An. rep. 1886-87, pp. 819-824; 1887-88, pp. 944-945.)
- Education of the deaf and dumb. (An. rep. 1884-85, p. cccxxii; 1885-86, p. 632.)
- FAY, EDWARD A. Education of the deaf and dumb. (An. rep. 1872, pp. 430-432.)
- GALLAUDET, E. M. Education of the deaf and dumb. (An. rep. 1870, pp. 371-373; 1871, pp. 449-452.)
- Instruction of deaf-mutes. (An. rep. 1873, pp. 499-504.)
- Instruction of deaf-mutes. (An. rep. 1881, p. ccviii.)
- Schools for. (An. rep. 1880, p. clxviii.)
- SEXTON, SAMUEL. Classification of deaf pupils with a view to improve facilities for their education, based on the causes of their disability. (Spec. rep. N. O. exp. 1884-85, pp. 523-528.)
- Necessity of providing for the better education of children with defective hearing, in the public schools. (Spec. rep. N. O. exp. 1884-85, pp. 529-536.)
- Statistical tables. Institutions for the deaf and dumb. (An. rep. 1870, pp. 530-531; 1871, pp. 678-679; 1872, pp. 912-915; 1873, pp. 774-777; 1874, pp. 814-817; 1875, pp. 904-907; 1876, pp. 806-809; 1877, pp. 586-589; 1878, pp. 602-607; 1879, pp. 622-627; 1880, pp. 744-749; 1881, pp. 674-679; 1882-83, pp. 704-709; 1883-84, pp. 742-749; 1884-85, pp. 788-793; 1885-86, pp. 635-640; 1886-87, pp. 830-837; 1887-88, pp. 947-961.)
- Deaf and dumb, Education of. [By States.] ALABAMA. (An. rep. 1870, p. 82; 1873, p. 8; 1874, p. 10; 1875, p. 13; 1876, p. 12; 1877, p. 8; 1878, p. 9; 1879, p. 8; 1880, p. 10; 1881, p. 8; 1882-83, p. 9; 1883-84, p. 10; 1884-85, p. 10; 1886-87, p. 824.)
- ARKANSAS. (An. rep. 1870, p. 86; 1872, p. 12; 1873, p. 17; 1874, p. 14; 1875, p. 20; 1876, p. 21; 1877, p. 11; 1878, p. 13; 1879, p. 12; 1880, p. 16; 1881, p. 12; 1882-83, p. 13; 1883-84, p. 15; 1884-85, p. 16.)
- CALIFORNIA. (An. rep. 1870, p. 90; 1871, p. 88; 1872, p. 26; 1873, p. 26; 1874, p. 36; 1875, p. 41; 1876, p. 33; 1877, p. 19; 1878, p. 20; 1879, p. 19; 1880, p. 25; 1881, p. 18; 1882-83, p. 20; 1883-84, p. 24; 1884-85, p. 24.)
- COLORADO. (An. rep. 1875, p. 475; 1876, p. 40; 1877, p. 23; 1878, p. 25; 1879, p. 24; 1880, p. 34; 1881, p. 24; 1882-83, p. 26; 1883-84, p. 32; 1884-85, p. 31; 1886-87, p. 824; 1887-88, p. 945.)
- CONNECTICUT. (An. rep. 1872, p. 37; 1873, p. 44; 1874, p. 51; 1875, p. 58; 1876, p. 52; 1877, p. 29; 1878, p. 32; 1879, p. 30; 1880, p. 43; 1881, p. 30; 1882-83, p. 34; 1883-84, p. 41; 1884-85, p. 41; 1886-87, p. 824; 1887-88, p. 945.)
- DAKOTA. (An. rep. 1881, p. 284; 1882-83, p. 287; 1883-84, p. 293; 1884-85, p. 293.)
- DELAWARE. (An. rep. 1876, p. 60.)
- DISTRICT OF COLUMBIA. (An. rep. 1872, p. 391; 1873, p. 440; 1874, p. 479; 1875, p. 491; 1876, pp. 443-445; 1877, pp. 281, 282; 1878, pp. 276-277; 1879, p. 274; 1880, pp. 365, 366; 1881, p. 287, 288; 1882-83, p. 290; 1883-84, p. 296; 1884-85, pp. 296, 297; 1886-87, p. 825; 1887-88, p. 946.)
- DISTRICT OF COLUMBIA. National Deaf-Mute College. (An. rep. 1872, p. 391; 1873, p. 440; 1874, p. 479; 1875, p. 491; 1876, p. 443; 1877, p. 281; 1878, p. 276; 1879, p. 274; 1880, p. 365; 1881, p. 287; 1882-83, p. 290; 1883-84, p. 296; 1884-85, p. 296.)
- FLORIDA. (An. rep. 1882-83, p. 43; 1883-84, p. 52; 1884-85, p. 49.)



- Deaf and dumb, Education of.** [By States.] **GEORGIA.** (An. rep. 1873, p. 75; 1874, p. 76; 1875, p. 77; 1876, p. 74; 1877, p. 42; 1878, p. 47; 1879, p. 44; 1880, p. 61; 1881, p. 46; 1882-83, p. 48; 1883-84, p. 58; 1884-85, p. 56; 1886-87, p. 825.)
- ILLINOIS.** (An. rep. 1870, p. 115; 1873, p. 90; 1874, p. 93; 1875, p. 94; 1876, p. 90; 1877, p. 51; 1878, p. 56; 1879, p. 53; 1880, p. 75; 1881, p. 54; 1882-83, p. 57; 1883-84, p. 67; 1884-85, p. 66; 1886-87, p. 825.)
- INDIANA.** (An. rep. 1870, p. 125; 1871, p. 154; 1874, p. 103; 1875, p. 110; 1876, p. 106; 1877, p. 59; 1878, p. 68; 1879, p. 61; 1880, p. 84; 1881, p. 63; 1882-83, p. 67; 1883-84, p. 79; 1884-85, p. 75; 1887-88, p. 946.)
- IOWA.** (An. rep. 1871, p. 164; 1872, p. 117; 1874, p. 119; 1875, p. 123; 1876, p. 119; 1877, p. 68; 1878, p. 72; 1879, p. 69; 1880, p. 95; 1881, p. 72; 1882-83, p. 76; 1883-84, p. 88; 1884-85, p. 84.)
- KANSAS.** (An. rep. 1876, p. 130; 1877, p. 73; 1878, p. 79; 1879, p. 75; 1880, p. 105; 1881, p. 79; 1882-83, p. 82; 1883-84, p. 95; 1884-85, p. 92; 1886-87, p. 826.)
- KENTUCKY.** (An. rep. 1873, p. 131; 1874, p. 141; 1875, p. 147; 1876, p. 141; 1877, p. 79; 1878, p. 85; 1879, p. 82; 1880, p. 114; 1881, p. 85; 1882-83, p. 88; 1883-84, p. 102; 1884-85, p. 98.)
- LOUISIANA.** (An. rep. 1871, p. 200; 1874, p. 153; 1875, p. 157; 1876, p. 152; 1877, p. 86; 1878, p. 90; 1879, p. 83; 1880, p. 122; 1881, p. 90; 1882-83, p. 93; 1883-84, p. 109; 1884-85, p. 105.)
- MAINE.** (An. rep. 1877, p. 92; 1878, p. 95; 1879, p. 93; 1880, p. 130; 1881, p. 95; 1884-85, p. 113.)
- MARYLAND.** (An. rep. 1873, p. 159; 1874, p. 176; 1875, p. 181; 1876, p. 176; 1877, p. 100; 1878, p. 102; 1879, p. 100; 1880, p. 138; 1881, p. 102; 1882-83, p. 105; 1883-84, p. 124; 1884-85, p. 121.)
- MASSACHUSETTS.** (An. rep. 1872, p. 176; 1873, p. 185; 1874, p. 196; 1875, p. 200; 1876, p. 196; 1877, p. 115; 1878, p. 116; 1879, p. 114; 1880, p. 154; 1881, p. 117; 1882-83, p. 120; 1883-84, p. 139; 1884-85, p. 137; 1886-87, p. 826; 1887-88, p. 946.)
- MICHIGAN.** (An. rep. 1873, p. 200; 1874, p. 216; 1875, p. 219; 1876, p. 209; 1877, p. 127; 1878, p. 127; 1879, p. 124; 1880, p. 166; 1881, p. 129; 1882-83, p. 131; 1883-84, p. 149; 1884-85, p. 145; 1886-87, p. 826.)
- MINNESOTA.** (An. rep. 1870, p. 196; 1873, p. 200; 1874, p. 226; 1875, p. 230; 1876, p. 218; 1877, p. 136; 1878, p. 134; 1879, p. 131; 1880, p. 176; 1881, p. 136; 1882-83, p. 138; 1883-84, p. 155; 1884-85, p. 152.)
- MISSISSIPPI.** (An. rep. 1872, p. 199; 1873, p. 218; 1875, p. 238; 1876, p. 226; 1877, p. 141; 1878, p. 139; 1879, p. 135; 1880, p. 182; 1881, p. 142; 1882-83, p. 143; 1883-84, p. 161; 1884-85, p. 157.)
- MISSOURI.** (An. rep. 1870, p. 205; 1871, p. 263; 1872, p. 208; 1873, p. 230; 1874, p. 248; 1875, p. 252; 1876, p. 238; 1877, p. 150; 1878, p. 147; 1879, p. 143; 1880, p. 191; 1881, p. 149; 1882-83, p. 150; 1883-84, p. 163; 1884-85, p. 165.)
- MONTANA.** (An. rep. 1881, p. 298; 1882-83, p. 299; 1883-84, p. 303.)
- NEBRASKA.** (An. rep. 1873, p. 239; 1874, p. 253; 1875, p. 261; 1876, p. 246; 1877, p. 156; 1878, p. 152; 1879, p. 148; 1880, p. 199; 1881, p. 154; 1882-83, p. 156; 1883-84, p. 174; 1884-85, p. 171; 1886-87, p. 826.)
- NEVADA.** (An. rep. 1871, p. 274; 1874, p. 263; 1876, p. 251; 1877, p. 159; 1878, p. 156; 1881, p. 158; 1882-83, p. 160; 1883-84, p. 177; 1884-85, p. 175.)
- NEW HAMPSHIRE.** (An. rep. 1877, p. 164.)
- NEW JERSEY.** (An. rep. 1877, p. 173; 1878, p. 170; 1879, p. 163; 1880, p. 216; 1881, p. 171; 1882-83, p. 172; 1883-84, p. 189; 1884-85, p. 189; 1886-87, p. 826.)
- NEW MEXICO.** (An. rep. 1887-88, p. 946.)
- NEW YORK.** (An. rep. 1870, p. 233; 1872, p. 244; 1873, p. 292; 1874, p. 309; 1875, p. 310; 1876, p. 290; 1877, p. 183; 1878, p. 181; 1879, p. 176; 1880, p. 231; 1881, p. 188; 1882-83, p. 188; 1883-84, p. 203; 1884-85, p. 204; 1886-87, p. 827; 1887-88, p. 946.)
- NORTH CAROLINA.** (An. rep. 1872, p. 266; 1874, p. 322; 1875, p. 324; 1876, p. 303; 1877, p. 193; 1878, p. 189; 1879, p. 184; 1880, p. 242; 1881, p. 197; 1882-83, p. 196; 1884-85, p. 212; 1886-87, p. 828.)
- OHIO.** (An. rep. 1873, p. 327; 1875, p. 342; 1876, p. 320; 1877, p. 205; 1878, p. 197; 1879, p. 192; 1880, p. 254; 1881, p. 207; 1882-83, p. 209; 1883-84, p. 220; 1884-85, p. 221; 1886-87, p. 828.)
- OREGON.** (An. rep. 1871, p. 325; 1872, p. 235; 1874, p. 354; 1875, p. 351; 1876, p. 328; 1877, p. 211; 1878, p. 203; 1879, p. 197; 1880, p. 263; 1881, p. 214; 1882-83, p. 215; 1883-84, p. 226; 1884-85, p. 226; 1886-87, p. 828.)
- PENNSYLVANIA.** (An. rep. 1872, p. 297; 1873, p. 349; 1874, p. 371; 1875, p. 369; 1876, p. 347; 1877, p. 220; 1878, p. 212; 1879, p. 206; 1880, p. 277; 1881, p. 223; 1882-83, p. 227; 1883-84, p. 239; 1884-85, p. 237; 1886-87, p. 828; 1887-88, p. 946.)
- RHODE ISLAND.** (An. rep. 1877, p. 229; 1878, p. 219; 1879, p. 216; 1880, p. 288; 1881, p. 223; 1882-83, p. 234; 1883-84, p. 246; 1884-85, p. 244; 1886-87, p. 829.)
- SOUTH CAROLINA.** (An. rep. 1871, p. 343; 1872, p. 315; 1873, p. 367; 1874, p. 395; 1875, p. 392; 1876, p. 368; 1877, p. 236; 1878, p. 225; 1879, p. 221; 1880, p. 296; 1881, p. 239; 1882-83, p. 239; 1883-84, p. 253; 1884-85, p. 252.)



- Deaf and dumb, Education of.** [By States.] **TENNESSEE.** (An. rep. 1874, p. 405; 1875, p. 403; 1876, p. 380; 1877, p. 242; 1878, p. 231; 1879, p. 228; 1880, p. 305; 1881, p. 244; 1882-83, p. 245; 1883-84, p. 259; 1884-85, p. 257; 1886-87, p. 829.)
- **TEXAS.** (An. rep. 1873, p. 387; 1874, p. 414; 1875, p. 414; 1876, p. 389; 1877, p. 247; 1878, p. 237; 1879, p. 234; 1880, p. 314; 1881, p. 250; 1882-83, p. 251; 1883-84, p. 265; 1884-85, p. 262; 1886-87, p. 829.)
- **UTAH.** (An. rep. 1884-85, p. 311.)
- **VERMONT.** (An. rep. 1876, p. 397; 1878, p. 242; 1879, p. 240; 1880, p. 321; 1881, p. 254; 1882-83, p. 257; 1883-84, p. 270; 1884-85, p. 267.)
- **VIRGINIA.** (An. rep. 1872, p. 345; 1873, p. 402; 1874, p. 435; 1875, p. 435; 1876, p. 407; 1877, p. 260; 1878, p. 249; 1879, p. 248; 1880, p. 331; 1881, p. 261; 1882-83, p. 263; 1883-84, p. 275; 1884-85, p. 275; 1886-87, p. 829.)
- **WEST VIRGINIA.** (An. rep. 1875, p. 446; 1876, p. 416; 1877, p. 265; 1878, p. 254; 1879, p. 254; 1880, p. 339; 1881, p. 267; 1882-83, p. 268; 1883-84, p. 280; 1884-85, p. 279.)
- **WISCONSIN.** (An. rep. 1872, p. 359; 1873, p. 421; 1874, p. 456; 1875, p. 460; 1876, p. 427; 1877, p. 273; 1878, p. 262; 1879, p. 261; 1880, p. 348; 1881, p. 275; 1882-83, p. 275; 1883-84, p. 239; 1884-85, p. 234; 1886-87, p. 830; 1887-88, p. 946.)
- **WYOMING.** (An. rep. 1886-87, p. 830.)
- Deafness among school children.** **SEXTON, SAMUEL.** p. 47. (Circ. inf. 5, 1881.)
- Dearness, John.** School architecture in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 646-649.)
- Degrees.** (An. rep. 1887-88, p. 38; conferred by colleges for women, pp. 585, 595, 604-213; conferred by Harvard Annex, p. 587; conferred by universities, pp. 624, 627; conferred by colleges of liberal arts, pp. 628, 634, 678-695; conferred by land-grant colleges, pp. 722, 731-733; conferred by schools of science, pp. 744-746; theological students who have received degrees, pp. 758, 759, 761-769; students in schools of medicine, etc., pp. 758, 784-799; conferred by schools of law, pp. 758, 777-780; statistical summary of degrees, pp. 807-815.)
- **GREGORY, JOHN M.** Learned degrees. (Circ. inf. 2, 1879, p. 180.)
- Honorary degrees as conferred in American colleges. By **CHARLES FOSTER SMITH**, pp. 12. (Bulletin 1, 1890.) (Misc. pub. 1890.)
- Statistical tables. Degrees conferred by colleges and universities, scientific and other professional schools, and by schools for the superior instruction of women. (An. rep. 1873, pp. 712-727; 1874, pp. 734-752; 1875, pp. 782-796; 1876, pp. 762-776; 1877, pp. 568-582; 1878, pp. 584-598; 1879, pp. 600-617; 1880, pp. 720-733; 1881, pp. 650-667; 1882-83, pp. 674-693; 1883-84, pp. 706-723; 1884-85, pp. 670-690; 1885-86, pp. 570-593; 1886-87, pp. 776-781; 1887-88, pp. 807-815. Statistics.)
- Delaware, Education in.** (An. rep. 1870, pp. 103-105; 1871, pp. 108-118; 1872, pp. 51-57; 1873, pp. 49-64; 1874, pp. 55-60; 1875, pp. 60-64; 1876, pp. 55-60; 1877, pp. 32-35; 1878, pp. 34-37; 1879, pp. 33-36; 1880, pp. 46-51; 1881, pp. 34-37; 1882-83, pp. 37-40; 1883-84, pp. 44-47; 1884-85, pp. 43-45.) *For further information see under State school systems (by States).*
- Delaware State normal university.** (An. rep. 1863, p. 807.)
- Denmark, Education in.** (An. rep. 1871, pp. 457-458; 1872, pp. 450-452; 1873, p. clvii; 1874, p. cxxxiv; 1875, p. cxxix; 1876, p. clxxxiii; 1877, p. clvii; 1878, p. cliv; 1879, p. clxxvi; 1880, p. cxevi; 1881, p. ccxlv; 1882-83, p. ccxvi; 1883-84, p. cciii.)
- Education in: its history and present condition. (Circ. inf. 2, 1877, pp. 39-46.)
- Dentistry.** *See Medicine.*
- Dewey, Melvil.** American library association catalog. (Spec. rep. N. O. exp. 1884-85, pp. 650-955.)
- Decimal classification and subject index. (Pub. libs. 1876, p. 623.)
- Libraries as related to the educational work of the state. (An. rep., 1887-88, p. 1031.)
- Dickinson, John W.** Massachusetts public school system. (Spec. rep. N. O. exp. 1884-85, pp. 341-346.)
- National aid for the support of public schools. (Circ. inf. 4, 1884, p. 81.)
- Normal schools. (Circ. inf. 6, 1883, p. 74.)
- Philosophy and method of teaching pursued at the Westfield State normal school. (An. rep. 1863, p. 685.)
- State teachers' institutes. (Circ. inf. 2, 1889, p. 84.)
- Digest of rules and regulations of public schools in cities.** (Spec. rep. on D. C. for 1869, pp. 417-464.)
- Diplomas, Forged or purchased.** Sale of collegiate and professional degrees. (An. rep. 1880, p. clx.)
- District of Columbia, Art in.** By **F. C. Adams.** (Spec. rep. on D. C. for 1869, pp. 725-784.)
- **BARNARD, HENRY.** Public instruction in: population and its distribution; history and condition of public schools. (Spec. rep. on D. C. for 1869, pp. 15-144.)

- District of Columbia, Education in. (An. rep. 1870, pp. 312-317; 1871, pp. 385-401; 1872, pp. 384-404; 1873, pp. 434-450; 1874, pp. 469-485; 1875, pp. 4-1-494; 1876, pp. 437-445; 1877, pp. 278-282; 1878, pp. 273-278; 1879, pp. 270-275; 1880, pp. 360-367; 1881, pp. 285-290; 1882-83, pp. 288-292; 1883-84, pp. 294-297; 1884-85, pp. 294-298.) *For further information see under State school systems (by States.)*
- District schools. District school system. (An. rep. 1881, p. liv.)
- Doane, Geo. W. An address to the people of New Jersey on the state and education. (An. rep. 1868, p. 313.)
- Dom Pedro (of Brazil), Visit of. (An. rep. 1876, p. cviii.)
- Dor, V. E. Public instruction in Egypt. (Circ. inf. 3, 1875, p. 75.)
- Douai, Adolf, and Straubenmueller, John. German schools in the United States. (Spec. rep. on D. C. for 1869, pp. 581-586.)
- Dougherty, Newton C. Language work. (Circ. inf. 2, 1886, pp. 146-152.)
- Draper, A. S. County institutes. (Circ. inf. 6, 1888, p. 47.)
- Qualifications of teachers. (Circ. inf. 6, 1888, p. 58.)
- Drawing in public schools. CLARKE, Isaac Edwards.
- I. Early efforts in America and in England to introduce.
  - II. State action of Massachusetts, in regard to.
  - III. Summary of early work of Massachusetts state art director.
  - IV. Massachusetts art teachers' association.
  - V. Official report on, Boston.
  - VI. In several states.
  - VII. Concurrent testimony concerning.
- (Rep. art and industry, 1885, pp. 1-384.)
- Drawing in public schools: present relation of art to education in the United States. pp. 56. (Circ. inf. 2, 1874.)
- Concurrent testimony concerning. (Spec. rep. art and industry, 1885, p. 336.)
- DISTRICT OF COLUMBIA. (An. rep. 1875, p. 484.)
- Drawing in Belgian schools. (Spec. rep. art and industry, 1885, p. 706.)
- Efforts to introduce, in the United States and in England. (Spec. rep. art and industry, 1885, pp. 413-483.)
- MAINE, NEW YORK, OHIO, AND THE DISTRICT OF COLUMBIA. (Spec. rep. art and industry, 1885, p. 295.)
- MASSACHUSETTS. (An. rep. 1870, p. 167; 1871, pp. 218, 229; 1872, p. 161; 1873, p. 170; 1875, p. 188.)
- State action in regard to. (Spec. rep. art and industry, 1885, p. 37.)
- NEW HAMPSHIRE. (An. rep. 1873, p. 250.)
- NEW YORK. (An. rep. 1876, p. 277; 1877, p. 175; 1878, p. 174; 1879, p. 167.)
- Official history of, in Boston. (Spec. rep. art and industry, 1885, pp. 202-294.)
- OHIO. (An. rep. 1872, p. 273; 1873, p. 314; 1876, p. 303.)
- PERRY, WALTER S. Two lectures on. (Spec. rep. art and industry, 1885, pp. 591-604.)
- Report of committee on—National educational association, Madison, Wis., 1884. (Spec. rep. art and industry, 1885, p. 694.)
- RHODE ISLAND. (An. rep. 1875, p. 378.)
- SMITH, WALTER. Practical papers, letters, lectures, and addresses on. (Spec. rep. art and industry, 1885, pp. 515-590.)
- STETSON, CHARLES B. Popular instruction in elementary drawing; report based on international school exhibits at centennial exposition, 1876. (Spec. rep. art and industry, 1885, pp. 635-689.)
- Dresden, SAXONY, Public schools in the city of. (Spec. rep. on D. C., for 1869, pp. 689-702.)
- Dreyfus-Brisac, Edmond. University of Bonn. pp. 67. (Circ. inf. 3, 1882.)
- Duncan, William. Tribal and family relations among the Indians of Metlakahla. (An. rep. 1887-88, p. 1047.)
- Dwight, Miss M. A. Art: Its importance as a branch of education, 1857. (Spec. rep. art and industry, 1885, p. 431.)
- Dwight, T. F. Library of the department of state. (Pub. libs., 1876, p. 262.)
- Dymond, A. H. Education of the blind in the province of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 537-540.)
- Eaton, Horace. Letter on education in Egypt, Syria, and Turkey. (Circ. inf. 3, 1875, p. 101.)
- Eaton, John. (Commissioner of education from March 16, 1870, to August 4, 1886.)
- Action of the department of superintendence of the national educational association, with reference to General Eaton's resignation of the commissionership of education. (Circ. inf. 2, 1886, pp. 163-169.)
- Bureau of education, wants of. (Circ. inf. 2, 1879, p. 60.)
- Education in Music at home and abroad. (Circ. inf. 1, 1886, p. 41.)
- Museums illustrative of education. (Circ. inf. 3, 1881, p. 56.)



- Eaton, John.** National aid to education. (Circ. inf. 2, 1879, p. 113.)  
 — National aid to education. [Reprinted from circ. inf. 2, 1879.] pp. 37. (Misc. pub. 1879.)  
 — Needs of the bureau of education. [Reprinted from circ. inf. 2, 1879.] pp. 7. (Misc. pub. 1879.)  
 — What has been done by the general government in aid of education. Circ. inf. 2, 1879, p. 113.)
- Ecuador,** Education in. (An. rep., 1870, pp. 383-384; 1872, p. 557; 1873, p. clxxii.)  
 — Education in. (Circ. inf. February, 1872, pp. 49-50.)
- Educational condition in the United States.** 1873. Summary: Southern states; middle and northern; great lake and northern Mississippi states; Missouri river states; states on the Pacific slope, and the territories. (An. rep. 1873, pp. xlii-xx.)  
 — 1874. Summary: New England states; middle states; southern states; great lake and northern Mississippi states; Missouri river states; states on the Pacific slope; territories. (An. rep. 1874, pp. xxi-xxix.)  
 — 1875. Summary: New England states; middle states; southern states; northwestern lake states; Missouri river states; states on the Pacific slope; territories. (An. rep. 1875, pp. xxxvi-xlv.)  
 — 1876, compared with 1875; condition of each state. (An. rep. 1876, pp. xxx-xlii.)  
 — 1877, compared with 1876; condition of each state. (An. rep. 1877, pp. xxiv-xxvii.)  
 — 1878, compared with 1877; condition of each state. (An. rep. 1878, pp. xx-xxviii.)  
 — 1879, compared with 1878; condition of each state. (An. rep. 1879, pp. xxviii-xxix.)  
 — 1880-1885, by states. (An. rep. 1880, pp. xli-lvii; 1881, pp. lxix-lxxxix; 1882-83, pp. xxxvi-xlvii; 1883-84, pp. xli-liv; 1884-85, pp. liv-lxv.)
- Educational Conventions.** See Conventions, etc., Educational.
- Educational journals.** (In general.) BICKNELL, THOMAS N. Brief history of educational journalism in New England. (Spec. rep. N. O. exp. 1884-85, pp. 755-769.)  
 — EDUCATIONAL PERIODICALS, list of. (An. rep. 1885-86, pp. 709-715; 1886-87, pp. 973-979; 1887-88, pp. 1005-1011.)
- Educational journals.** (By States.) ALABAMA. (An. rep. 1882-83, p. 7; 1884-85, p. 8.)  
 — ARKANSAS. (An. rep. 1871, p. 71; 1873, p. 14; 1878, p. 12; 1880, p. 15; 1881, p. 11; 1882-83, p. 12; 1883-84, p. 14; 1884-85, p. 14.)  
 — CALIFORNIA. (An. rep. 1871, p. 81; 1872, p. 15; 1876, p. 29; 1877, p. 17; 1878, p. 18; 1879, p. 17; 1880, p. 23; 1881, p. 16; 1882-83, p. 18; 1883-84, p. 21.)  
 — COLORADO. (An. rep. 1880, p. 32.)  
 — CONNECTICUT. (An. rep. 1874, p. 45; 1878, p. 29.)  
 — DAKOTA. (An. rep. 1884-85, p. 292.)  
 — GEORGIA. (An. rep. 1878, p. 45; 1882-83, p. 47.)  
 — ILLINOIS. (An. rep. 1870, p. 114; 1874, p. 85; 1875, p. 87; 1876, p. 84; 1877, p. 45; 1878, p. 53; 1879, p. 51; 1880, p. 72; 1881, p. 51; 1882-83, p. 55; 1883-84, p. 64; 1884-85, p. 63.)  
 — INDIANA. (An. rep. 1874, p. 100; 1875, p. 105; 1876, p. 102; 1877, p. 57; 1878, p. 64; 1880, p. 82; 1881, p. 60; 1882-83, p. 65; 1883-84, p. 77; 1884-85, p. 73.)  
 — IOWA. (An. rep. 1874, p. 117; 1876, p. 115; 1877, p. 66; 1879, p. 67; 1880, p. 93; 1881, p. 70; 1882-83, p. 74; 1883-84, p. 85; 1884-85, p. 82.)  
 — KANSAS. (An. rep. 1872, p. 120; 1878, p. 78; 1879, p. 74; 1880, p. 103; 1881, p. 78; 1882-83, p. 81; 1883-84, p. 93; 1884-85, p. 90.)  
 — KENTUCKY. (An. rep. 1874, p. 136; 1877, p. 78; 1878, p. 84; 1879, p. 80; 1880, p. 112; 1881, p. 83; 1884-85, p. 97.)  
 — LOUISIANA. (An. rep. 1879, p. 86; 1880, p. 120; 1881, p. 88; 1882-83, p. 92; 1883-84, p. 107; 1884-85, p. 104.)  
 — MAINE. (An. rep. 1871, p. 206; 1874, p. 161; 1880, p. 129.)  
 — MARYLAND. (An. rep. 1874, p. 169; 1875, p. 176; 1877, p. 98; 1878, p. 100; 1879, p. 98; 1880, p. 136.)  
 — MASSACHUSETTS. (An. rep. 1875, p. 193; 1876, p. 187; 1877, p. 111; 1878, p. 111; 1879, p. 109; 1880, p. 149; 1881, p. 112; 1882-83, p. 116; 1883-84, p. 135; 1884-85, p. 132.)  
 — MICHIGAN. (An. rep. 1874, p. 209; 1875, p. 214; 1878, p. 124; 1880, p. 164; 1881, p. 126; 1882-83, p. 128; 1883-84, p. 147; 1884-85, p. 144.)  
 — MINNESOTA. (An. rep. 1878, p. 132; 1880, p. 174; 1881, p. 134; 1882-83, p. 137; 1883-84, p. 154; 1884-85, p. 151.)  
 — MISSISSIPPI. (An. rep. 1878, p. 137; 1880, p. 181; 1881, p. 140; 1882-83, p. 142; 1883-84, p. 159.)  
 — MISSOURI. (An. rep. 1874, p. 242; 1876, p. 234; 1877, p. 147; 1878, p. 144; 1879, p. 140; 1880, p. 189; 1884-85, p. 162.)



- Educational journals.** [By States.] NEBRASKA. (An. rep. 1873, p. 237; 1874, p. 254; 1876, p. 244; 1878, p. 151; 1879, p. 147; 1880, p. 197; 1881, p. 153; 1883-84, p. 172.)
- NEW HAMPSHIRE. (An. rep. 1873, p. 250; 1878, p. 160; 1879, p. 155; 1880, p. 208; 1881, p. 162; 1882-83, p. 164; 1883-84, p. 181; 1884-85, p. 179.)
- NEW JERSEY. (An. rep. 1877, p. 171; 1878, p. 169.)
- NEW YORK. (An. rep. 1874, p. 302; 1875, p. 300; 1876, p. 282; 1877, p. 180; 1878, p. 178; 1879, p. 172; 1880, p. 227; 1881, p. 181; 1882-83, p. 182; 1883-84, p. 198; 1884-85, p. 199.)
- NORTH CAROLINA. (An. rep. 1872, p. 264; 1873, p. 301; 1879, p. 183; 1880, p. 240; 1881, p. 196; 1882-83, p. 195; 1883-84, p. 208; 1884-85, p. 211.)
- OHIO. (An. rep. 1875, p. 336; 1876, p. 313; 1877, p. 202; 1878, p. 195; 1879, p. 190; 1880, p. 252; 1881, p. 205; 1882-83, p. 206; 1883-84, p. 217; 1884-85, p. 218.)
- OREGON. (An. rep. 1876, p. 325; 1877, p. 210; 1878, p. 202.)
- PENNSYLVANIA. (An. rep. 1871, p. 327; 1875, p. 362; 1876, p. 340; 1877, p. 217; 1878, p. 209; 1879, p. 203; 1880, p. 273; 1881, p. 220; 1882-83, p. 224; 1883-84, p. 235; 1884-85, p. 234.)
- SOUTH CAROLINA. (An. rep. 1876, p. 365.)
- TENNESSEE. (An. rep. 1878, p. 229; 1879, p. 226; 1880, p. 303; 1881, p. 243; 1882-83, p. 244; 1883-84, p. 258; 1884-85, p. 256.)
- TEXAS. (An. rep. 1880, p. 313; 1881, p. 248; 1882-83, p. 250; 1883-84, p. 264; 1884-85, p. 261.)
- VIRGINIA. (An. rep. 1875, p. 428; 1877, p. 258; 1878, p. 247; 1879, p. 246; 1880, p. 329; 1881, p. 262; 1882-83, p. 262; 1883-84, p. 274; 1884-85, p. 273.)
- WEST VIRGINIA. (An. rep. 1871, p. 364; 1875, p. 444; 1878, p. 253; 1879, p. 252; 1881, p. 266; 1882-83, p. 266; 1883-84, p. 279; 1884-85, p. 278.)
- WISCONSIN. (An. rep. 1874, p. 452; 1875, p. 456; 1876, p. 424; 1877, p. 270; 1878, p. 260; 1879, p. 259; 1880, p. 346; 1881, p. 273; 1882-83, p. 273; 1883-84, p. 284; 1884-85, p. 283.)
- Educational periodicals.** List of. *See under Educational journals* (in general).
- Educational reports, Growth and importance of.** (An. rep. 1884-85, p. xiv.)
- Educational statistics.** Comparative statistics of elementary, secondary, and superior education in sixty principal countries. Folding sheet. (Misc. pubs., 1882.)
- Population, enrollment, attendance, income, expenditure, etc., 1875-1884, inclusive. (An. rep. 1883-84, p. xxvii.)
- Statistical summary of institutions, instructors, and students, 1870-1873. (An. rep. 1873, p. viii.)
- 1870-1874. (An. rep. 1874, p. viii.)
- 1870-1875. (An. rep. 1875, p. xxiv.)
- 1870-1876 [1873 omitted]. (An. rep. 1876, p. xviii.)
- 1872-1877. (An. rep. 1877, p. xviii.)
- 1873-1878. (An. rep. 1878, p. x.)
- 1874-1879. (An. rep. 1879, p. xiii.)
- 1871-1880. (An. rep. 1880, p. viii.)
- 1872-1881. (An. rep. 1881, p. vii.)
- 1873-1882. (An. rep. 1882-83, p. xii.)
- 1874-1884 [1883 omitted]. (An. rep. 1883-84, p. viii.)
- 1875-1885 [1883 omitted]. An. rep. 1884-85, p. xxix.)
- Tables from census of 1870, with conclusions derived therefrom. (An. rep. 1872, pp. v, 942.)
- See also School statistics.* Also Statistical tables under the following subjects:
- Benefactions.
- Blind, Institutions for.
- Charity schools, institutions, etc. (Orphan asylums, soldiers' orphans' homes, infant asylums, and industrial schools.)
- City school systems.
- Colleges and universities. (Universities and colleges.)
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- Libraries.
- Medicine, dentistry, and pharmacy.
- Military education. (U. S. military and naval academies.)
- Normal and training schools.
- Nurses, Training schools for.
- Preparatory schools.
- Scientific and technical schools.

## Educational statistics—Continued.

Secondary education.

State school systems.

Theological schools.

Women, Education of. (Superior instruction of women.)

Education a national interest. Speech on bill to establish national bureau of education. By JAMES A. GARFIELD. (An. rep. 1868, p. 49.)

Education and labor. *See* Labor and education.

Education, Constitutional provisions respecting, in the several States. (An. rep. 1868, pp. 79-135.)\*

Education in foreign countries. (An. rep. 1885-86, pp. 725-740.)

Education in foreign countries, aided by American institutions. (An. rep. 1871, pp. 505-506.)

Education, Methods and systems of. BROTHER NOAH. Coördination in instruction and in education. (Spec. rep. N. O. exp. 1884-85, pp. 879-883.)

— DICKINSON, J. W. Massachusetts public school system. (Spec. rep. N. O. exp. 1884-85, pp. 341-346.)

— HATTORI, ICHIZO. Public school system of Japan. (Spec. rep. N. O. exp. 1884-85, pp. 347-348.)

Education vs. police. (An. rep. 1877, p. lxxv.)

Education, Waste of labor in the work of. CHADBOURNE, PAUL A. pp. 16. (Circ. inf. 4, 1875.)

Edwards, Charles G. How and by whom fitness of pupils for promotion is determined. (Circ. inf. 3, 1883, p. 73.)

— Reading. (Circ. inf. 4, 1884, p. 170.)

Edwards, Richard. Best system of State school supervision. (Circ. inf. 3, 1887, p. 169.)

— County Institutes. (Circ. inf. 6, 1888, p. 46.)

Egypt. DOR, V. E. Public instruction. (Circ. inf. 3, 1875, p. 75.)

— Education in. (An. rep. 1871, p. 488; 1874, p. cxxiv; 1876, p. clxxxiv; 1887, p. clxx; 1879, p. ccv.)

Elective studies. (An. rep. 1832-33, p. cxliii; 1883-84, p. clviii.)

— University of Virginia in. By J. M. GARNETT. (Circ. inf. 1, 1888, p. 189.)

— MASSACHUSETTS. (An. rep. 1871, p. 232.)

Elementary education. Comparative statistics of, in fifty principal countries. (Folding sheet.) (Misc. pubs. 1881.)

— REED, CHARLES. Address on elementary education in London. (Circ. inf. 2, 1878, p. 11.)

— WHITE, E. E. True course of elementary instruction; its principles and methods. (Spec. rep. N. O. exp. 1884-85, pp. 847-863.)

Ellis, S. A. No recess. (Circ. inf. 4, 1834, p. 66.)

England, Educational progress in. (An. rep. 1870, pp. 373-377.)

Elementary education in foreign countries. Statistics. (An. rep., 1887-88, pp. 1012-1018.)

Elementary education in London. (An. rep., 1886-87, pp. 980-983.)

Eliot, Charles William. School programmes. (An. rep. 1886-87, p. 1005, and circ. inf. 6, 1888, p. 101.)

Emory and Henry College. (Circ. inf. 1, 1883, p. 253.)

English rural schools. HURLBERT, HENRY W. pp. 26. (Circ. inf. 5, 1830.)

European opinions on American schools. (Spec. rep. on D. C. for 1869, pp. 577-580.)

Evening schools. (An. rep. 1880, p. cxxxxix.)

— Cosmopolitan, half-time and evening schools. (An. rep. 1870, p. 53.)

Evening schools. [By States.]

— CALIFORNIA. (An. rep. 1871, p. 93; 1872, p. 23.)

— SAN FRANCISCO. (An. rep. 1871, p. 93; 1872, p. 28.)

— CONNECTICUT. (An. rep. 1870, p. 107.)

— NEW HAMPSHIRE. (An. rep. 1873, p. 250.)

— NEW JERSEY. (An. rep. 1870, p. 222; 1873, p. 264; 1882-83, p. 168.)

— NEW YORK. (An. rep. 1870, p. 235; 1871, p. 308; 1872, pp. 237, 243.)

— PENNSYLVANIA. (An. rep. 1870, p. 272; 1871, pp. 329, 330; 1872, pp. 291, 292; 1873, p. 342; 1874, p. 362; 1876, p. 337.)

— RHODE ISLAND. (An. rep. 1870, p. 283; 1871, p. 339; 1872, p. 306; 1873, p. 354; 1874, p. 379; 1875, p. 377; 1876, p. 355; 1878, p. 217; 1879, p. 212.)

— VERMONT. (An. rep. 1874, p. 417.)

Everett, Edward. Female education. (An. rep. 1868, p. 385.)

Eye. CALHOUN, A. W. Effects of student life on the eye-sight. pp. 29. (Circ. inf. 6, 1881.)

— JEFFRIES, B. JOY. Education of the normal color sense. (Circ. inf. 4, 1884, p. 143.)

- Examinations.** BARBOUR, L. G. Competitive studies and resultant prizes. (Spec. rep. N. O. exp. 1884-85, pp. 770-774.)
- CARLYLE, WILLIAM. Influence and effects of a system of uniform and simultaneous examinations on schools and teachers. Canada. (Spec. rep. N. O. exp. 1884-85, pp. 392-395.)
- GRIFFIN, WILLIAM M. Examinations for promotion. (Circ. inf. 2, 1889, p. 236.) *Followed by discussion by Messrs. LITTLEFIELD, PARR, WHITE, and others.*
- HYDE, WILLIAM DE WITT. Examinations for promotions in the public schools. (Circ. inf. 2, 1889, p. 229.)
- MCKINNON, DONALD J. Uniform promotion examinations in the public schools of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 388-391.)
- MARLING, ALEXANDER. Memorandum respecting simultaneous and uniform examinations under regulations of education department, for the province of Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, pp. 782-791.)
- Exhibitions, Educational.** American education at the international exposition to be held at Vienna in 1873. pp. 79. (Circ. inf. November, 1872.)
- International exhibition, 1876, Philadelphia. Board on behalf of the United States executive departments. Bureau of education, department of interior. Collections to illustrate the history of colleges, universities, professional schools, and special schools of science. (Misc. pubs. 1875.)
- A. 1. Circular of the commissioner of education, September 1, 1875.  
2. Historical summary of colleges, universities, professional schools, and special schools of science.  
3. Grants and endowments.  
4. Maps of grounds and plans and views of buildings.  
5. Preparatory departments of colleges and universities.  
6. College societies.  
7. Laboratories for instruction in chemical analysis and for original research.  
8. Observatories for astronomical, magnetic, or meteorological observations.
- Schedule for the preparation of students' work for the centennial exhibition. pp. 15. (Circ. inf. 8, 1875.)
- Southern exposition of 1883-84, Louisville, Ky. (Two pamphlets relating to the exhibit of the U. S. bureau of education.) 1883, pp. 17; 1884, pp. 7. (Misc. pubs. 1883, 1884.)
- Suggestions respecting American educational exhibit at the centennial exposition, Philadelphia, 1876. (Circ. inf. 4, 1875, pp. 15-26.)
- Suggestions respecting the educational exhibit at the New Orleans exposition, 1884-85. pp. 28. (Circ. inf. 5, 1884.)
- Ohio valley and central States centennial exposition, July 4-Oct. 22, 1888. [Exhibit of the bureau of education.] By JOHN W. HOLCOMBE, pp. 8, folding sheet, 16°.
- Exhibitions, Industrial.** Educational exhibits and conventions at the world's industrial and cotton centennial exposition, New Orleans, 1884-85.
- Contents.—Part I. Catalogue of exhibits. pp. 240.  
II. Proceedings of the international congress of educators. pp. 576.  
III. Proceedings of the department of superintendence of the national educational association, and addresses delivered on education days, 1885, New Orleans. pp. 148.
- (Spec. rep. N. O. exp. 1884-85.)
- Preliminary circular respecting the exhibition of education at the world's industrial and cotton centennial exposition. pp. 11. (Misc. pubs. 1884.)
- Fairchild, E. H. Berea college, Kentucky [coeducation of sexes and races]. (Spec. rep. N. O. exp. 1884-85, pp. 468-470.)
- Fairchild, James H. Coeducation of the sexes; address before college presidents. Springfield, Ill., 1867. (An. rep. 1868, pp. 385-399.)
- Fay, Edward A. Education of the deaf and dumb. An. rep. 1872, pp. 430-432.)
- Fearing, Clarence W. How can instruction in public high schools be made more efficient? (Spec. rep. N. O. exp. 1884-85, pp. 434-436.)
- Feeble-minded. [In general.] Education of. (An. rep. 1886-87, p. 850; 1887-88, p. 972.)
- Schools for. (An. rep. 1881, p. cccix.)
- Statistical tables. (An. rep. 1870, p. 535; 1871, p. 682; 1873, p. 805; 1874, p. 863; 1875, p. 959; 1876, p. 875; 1877, p. 634; 1878, p. 601; 1879, pp. 632-633; 1880, pp. 754-755; 1881, pp. 684-685; 1882-83, pp. 714-715; 1883-84, pp. 754-755; 1884-85, pp. 798-799; 1885-86, pp. 644-645; 1886-87, pp. 853-855; 1887-88, pp. 973-977.)
- Feeble-minded, Education of. [By States.]
- CALIFORNIA. (An. rep. 1886-87, p. 851.)
- CONNECTICUT. (An. rep. 1876, p. 53; 1877, p. 30; 1878, p. 32; 1879, p. 31; 1880, p. 43; 1881, p. 31; 1883-84, p. 41; 1884-85, p. 41.)



- Feeble-minded, Education of.** [By States.] ILLINOIS. (An. rep. 1870, p. 116; 1872, p. 103; 1874, p. 94; 1875, p. 94; 1876, p. 90; 1877, p. 51; 1878, p. 57; 1879, p. 53; 1880, p. 75; 1881, p. 54; 1882-83, p. 57; 1883-84, p. 68; 1884-85, p. 67.)
- INDIANA. (An. rep. 1881, p. 63; 1882-83, p. 67; 1886-87, p. 851.)
- IOWA. (An. rep. 1877, p. 68; 1878, p. 72; 1879, p. 69; 1880, p. 95; 1881, p. 72; 1882-83, p. 76; 1883-84, p. 88; 1884-85, p. 85.)
- KENTUCKY. (An. rep. 1873, p. 130; 1874, p. 141; 1875, p. 147; 1876, p. 142; 1877, p. 80; 1878, p. 85; 1879, p. 82; 1880, p. 115; 1881, p. 85; 1882-83, p. 88; 1883-84, p. 102; 1886-87, p. 851.)
- MARYLAND. (An. rep. 1886-87, p. 851.)
- MASSACHUSETTS. (An. rep. 1876, p. 196; 1877, p. 115; 1878, p. 116; 1879, p. 114; 1880, p. 155; 1881, p. 118; 1882-83, p. 121; 1883-84, p. 140; 1886-87, p. 851.)
- MICHIGAN. (An. rep. 1886-87, p. 851.)
- MINNESOTA. (An. rep. 1880, p. 176; 1881, p. 136; 1882-83, p. 138; 1883-84, p. 155; 1884-85, p. 153.)
- NEBRASKA. (An. rep. 1886-87, p. 852.)
- NEW JERSEY. (An. rep. 1877, p. 173; 1878, p. 170; 1879, p. 163; 1880, p. 217; 1881, p. 171; 1882-83, p. 172; 1883-84, p. 189.)
- NEW YORK. (An. rep. 1876, p. 291; 1877, p. 183; 1878, p. 181; 1879, p. 176; 1880, p. 231; 1881, p. 189; 1883-84, p. 203; 1884-85, p. 205; 1886-87, p. 852.)
- OHIO. (An. rep. 1877, p. 205; 1878, p. 198; 1879, p. 192; 1880, p. 254; 1881, p. 208; 1882-83, p. 209; 1883-84, p. 220; 1884-85, p. 221; 1886-87, p. 852.)
- PENNSYLVANIA. (An. rep. 1874, p. 371; 1875, p. 369; 1876, p. 348; 1877, p. 221; 1878, p. 212; 1879, p. 207; 1880, p. 278; 1881, p. 224; 1882-83, p. 228; 1883-84, p. 240; 1884-85, p. 237; 1886-87, p. 852.)
- RHODE ISLAND. (An. rep. 1877, p. 229.)
- WISCONSIN. (An. rep. 1883-84, p. 240.)
- Ferry, Jules.** Educational tours in France. pp. 4. (Misc. pubs. 1880.)
- Ficker, Adolph.** School statistics in different countries. (Circ. inf., Aug., 1870, p. 16.)
- Finger, S. M.** Educational and religious interests of the colored people of the South. (Circ. inf. 2, 1886, pp. 123-133.)
- Finland, Education in.** (An. rep. 1876, p. clxxxv; 1877, p. clvii; 1878, p. clv; 1879, p. clxxvi; 1880, p. cxvii; 1882-83, p. cccvi; 1883-84, p. cccii; 1884-85, p. cclx.)
- HEIKEL, FELIX. Public schools of. (Circ. inf. 2, 1877, pp. 9-24.)
- Fiske, Asa S.** Relation of education to crime in New England, and the facilities for education in her penal institutions. (An. rep. 1871, pp. 548-552.)
- Fleming, Martha.** Elocution, its place in education, followed by discussion by M. S. Hart and Silas C. Keief. (Circ. inf. 6, 1888, pp. 44-47.)
- Fletcher, Alice C.** Historical sketch of Indian civilization. (Spec. rep. N. O. exp. 1884-85, pp. 746-754.)
- Indian education. (Circ. inf. 3, 1883, p. 64.)
- Indian education and civilization. Prepared in answer to Senate resolution of February 23, 1885. By Alice C. Fletcher, under direction of the Commissioner of Education. pp. 693. [Senate Ex. Doc. No. 95, Forty-eighth Congress, Second session.]
- Fletcher, William I.** General considerations respecting historical research. (Pub. lib. 1876, pp. 325-332.)
- Public libraries and the young. (Pub. lib. 1876, pp. 412-418.)
- Public libraries in manufacturing communities. (Pub. lib. 1876, pp. 403-411.)
- Florida.** BUSH, GEORGE GARY. History of education in Florida, pp. 54. (Circ. inf. 7, 1888.)
- Education in. (An. rep. 1870, pp. 105-108; 1871, pp. 119-122; 1872, pp. 58-62; 1873, pp. 65-68; 1874, pp. 61-69; 1875, pp. 65-69; 1876, pp. 61-66; 1877, pp. 36-37; 1878, pp. 38-41; 1879, pp. 37-39; 1880, pp. 52-57; 1881, pp. 38-40; 1882-83, pp. 41-43; 1883-84, pp. 48-52; 1884-85, pp. 46-50.) For further information see under **State School Systems** (by States.)
- Freedmen, education of. (Circ. inf. 7, 1883, p. 23.)
- School lands. (Circ. inf. 7, 1888, p. 15 and p. 30.)
- School law, the new. (Circ. inf. 7, 1888, p. 16.)
- State Agricultural College. (Circ. inf. 7, 1888, p. 40.)
- Folkehoiskoler** (Farmers' high schools), Denmark. (Circ. inf. July, 1871, p. 40.)
- Ford, John D.** How shall manual training be introduced into the graded schools? (Circ. inf. 2, 1889, p. 168.)
- Forestry.** Education and forestry. (An. rep. 1879, p. ccxviii.)
- Forestry. (An. rep. 1882-83, p. ccxc.)
- HIGLEY, WARREN. Forestry in education. (Circ. inf. 2, 1886, pp. 134-145.)
- HOUGH, F. B. Our schools and our forests. (Circ. inf. 3, 1883, p. 40.)
- Planting trees in school grounds. pp. 8. (Misc. pubs. 1883.)
- HOUGH, F. B., and PEASLEE, J. B. Planting trees in school grounds and celebration of arbor day. pp. 8+64. Misc. pubs., 1885.)

- Forestry.** Instruction in forestry. (An. rep. 1880, p. cclviii.)  
 ——— NORTHROP, B. G. Arbor day in the public schools. (Circ. inf. 4, 1884, p. 55.)  
 ——— PEASLEE, JOHN B. Arbor day in public schools. (Circ. inf. 4, 1884, p. 41.)  
 ——— Schools of forestry in Europe. (An. rep. 1880, p. celix.)  
 ——— VASEY, GEORGE. Manual of common native trees of the northern United States. pp. 23. (Misc. pubs. 1877.)  
 ——— *See also* Arbor day.
- Fotheringham, D.** School hygiene in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 642-645.)
- Framingham State normal school.** BULLOCK, A. H., and WASHBURN, EMORY. Addresses at inauguration of Annie E. Johnson, first female principal of a State normal school, 1866. (An. rep. 1868, p. 671.)  
 ——— STEARNS, EBEN S. Historical sketch. (An. rep. 1868, pp. 663-670.)
- France.** Agricultural education in. (An. rep. 1886-87, p. 983.)  
 ——— BUISSON, B. Recent reforms in public instruction, and especially in primary instruction in France. (Spec. rep. N. O. exp. 1884-85, pp. 349-357.)  
 ——— Educational condition of conscripts. (Circ. inf. Aug., 1870, p. 39.)  
 ——— Education in. (An. rep. 1871, pp. 458-460; 1872, pp. 453-457; 1874, p. cxxxiv; 1875, p. cxxix; 1876, p. clxxxv; 1877, p. clvii; 1878, p. clv; 1879, p. clxxxvi; 1880, p. cxvii; 1881, p. cxlv; 1882-83, p. ccxvii; 1883-84, p. cciii; 1884-85, p. cclxi; 1886-87, p. 999; 1887-88, p. 1018.)  
 ——— FERRY, JULES. Educational tours in France. pp. 4. (Misc. pubs. 1880.)  
 ——— Maternal schools in France. pp. 14. (Circ. inf. 4, 1882.)  
 ——— Primary instruction in. (An. rep. 1885-86, p. 739.)  
 ——— Primary, secondary, and superior instruction in France. pp. 144. (Circ. inf. 4, 1881.)  
 ——— WINES, E. C. Popular education in. (Circ. inf. 2, 1879, p. 22.)
- Francis, John M.** Education in Greece. (Circ. inf. February, 1872, pp. 1-14.)
- Fraser, James.** European opinions on American schools. (Spec. rep. on D. C. for 1869, pp. 577-580.)
- Freedmen.** General condition of colored schools under the supervision of the freedmen's bureau, 1870. (An. rep. 1870, pp. 337-339.)  
 ——— *See also* Colored people, Schools for.
- Free reading-rooms.** TODD, WILLIAM C. (Pub. libs. 1876, pp. 460-464.)
- Free text-books.** *See* Text-books.
- Free text-books in free schools.** (An. rep. 1877, p. xxxix.)
- Friends.** Educational efforts of, in North Carolina. (Circ. inf. 2, 1883, pp. 142-156.)  
 ——— Friends' college for women, Bryn Mawr, Penna. (An. rep. 1885-86, p. 440.)  
 ——— Statistics. (An. rep. 1885-86, p. 448, p. 456.)
- Frieze, Henry S.** Art museums and their connection with public libraries. (Pub. libs. 1876, pp. 431-444.)
- Funds, Educational.** *See* Educational statistics. *See also* State school systems.
- Gade, Gerhard.** *See* Andrews, C. C., and.
- Galesville (Wis.) university.** (Circ. inf. 1, 1879, p. 66.)
- Gallaudet, Edward M.** Education of the deaf and dumb. (An. rep. 1870, pp. 371-373; 1871, pp. 449-452.)  
 ——— Instruction of deaf-mutes. (An. rep. 1873, pp. 499-504.)  
 ——— National deaf-mute college (library). (Pub. libs. 1876, p. 270.)
- Gardiner, O. C.** Public libraries of New York city. (Pub. libs. 1876, p. 918.)
- Garfield, James A.** Education a national interest: Speech on bill to establish national bureau of education. (An. rep. 1868, p. 49.)
- Garnett, J. M.** Elective system of the University of Virginia. (Circ. inf. 1, 1888, p. 189.)  
 ——— Inner working of the University of Virginia, and preparation necessary for the university. (Spec. rep. N. O. exp. 1884-85, pp. 831-846.)
- Garrett, W. R.** Education in the south. (Circ. inf. 2, 1889, p. 280.)
- Georgia.** Charitable institutions. (Circ. inf. 4, 1888, p. 130.)  
 ——— Colleges, academies, and miscellaneous schools. (Circ. inf. 4, 1888, pp. 107-121.)  
 ——— Colored people, institutions for. (Circ. inf. 4, 1888, p. 141.)  
 ——— Denominational institutions. (Circ. inf. 4, 1888, p. 60.)  
 ——— Early education in. (Circ. inf. 4, 1888, p. 11.)  
 ——— (An. rep. 1870, pp. 108-110; 1871, pp. 123-136; 1872, pp. 63-72; 1873, pp. 69-77; 1874, pp. 70-79; 1875, pp. 70-80; 1876, pp. 67-76; 1877, pp. 38-43; 1878, pp. 42-48; 1879, pp. 40-45; 1880, pp. 58-65; 1881, pp. 41-47; 1882-83, pp. 44-49; 1883-84, pp. 53-58; 1884-85, pp. 51-56; circ. inf. 4, 1888.) *For further information see under* State school systems [by States].
- Medical institutions. (Circ. inf. 4, 1888, p. 122.)



- Georgia. Public school system. (Circ. inf. 4, 1888, p. 30.)  
 ——— Schools after the war of the Revolution. (Circ. inf. 4, 1888, p. 17.)  
 ——— University of. (Circ. inf. 4, 1888, p. 40.)  
 German-American teachers' association. *See under Conventions, etc., educational.*  
 German-American teachers' union. *See under Conventions, etc., educational.*  
 German and other foreign universities. JACOBSON, HERMAN. pp. 43. (Circ. inf. Jan., 1872.)  
 German language, Study of, in schools. [In general.] (An. rep. 1875, p. 299; 1886-87, p. 239.)  
 ——— Statistics of, in secondary schools. (An. rep. 1886-87, pp. 496-507, 512-517, 519-533, 544-547, 551-559, 579-613; 1887-88, pp. 482-493, p. 505.)  
 ——— In Harvard university. (An. rep. 1887-88, p. 654.)  
 German language, Study of, in schools. [By States]. COLORADO. (An. rep. 1882-83, p. 23.)  
 ——— INDIANA. (An. rep. 1882-83, p. 62; 1886-87, p. 252.)  
 ——— IOWA. (An. rep. 1886-87, p. 252.)  
 ——— MISSOURI (St. Louis). (An. rep. 1879, p. 138; 1887-88, p. 116.)  
 ——— NEW YORK (New York city). (An. rep. 1882-83, p. 179.)  
 ——— OHIO. (An. rep. 1879, p. 186.)  
 ——— OREGON. (An. rep. 1882-83, p. 213; 1885-86, p. 147.)  
 German schools and teaching German. (An. rep. 1870, pp. 437-439.)  
 German schools in the United States. DOUAI, ADOLF, and STRAUBENMUELLER, JOHN. (Spec. rep. on D. C. for 1869, pp. 581-585.)  
 Germany, Education in. (An. rep. 1871, pp. 460-466; 1872, pp. 457-476; 1873, p. clvii; 1874, p. cxxxv; 1875, p. cxxx; 1876, p. clxxxvi; 1877, p. clviii; 1878, p. clx; 1879, p. clxxxix; 1880, p. cci; 1882-83, p. ccxvii; 1883-84, p. ccx; 1884-85, p. cclxviii.)  
 ——— Elementary education in. (Spec. rep. on D. C. for 1869, p. 587.)  
 ——— MEYERS, J. FRED. Educational methods in Germany. (An. rep. 1871, pp. 507-510.)  
 ——— Professional and special schools. (Spec. rep. on D. C. for 1869, p. 591.)  
 ——— Secondary, superior, and special schools in 33 principal towns of. (Spec. rep. on D. C. for 1869, p. 592.)  
 ——— Secondary schools in the north German union, the south German states, and the Austrian monarchy. (Spec. rep. on D. C. for 1869, pp. 588-589.)  
 ——— Statistical tables of secondary education. (Spec. rep. on D. C. for 1869, pp. 705-714.)  
 ——— Universities of, including Austria and Switzerland. Statistical tables. (Spec. rep. on D. C. for 1869, p. 590.)  
 Gill, Theodore. Scientific libraries in the United States. (Pub. libs. 1876, pp. 183-217.)  
 ——— Smithsonian system of exchanges. (Pub. libs. 1876, p. 285.)  
 Gilman, Daniel C. Report on national schools of science. [With preliminary list of local publications pertaining to the national grant.] (An. rep. 1871, pp. 427-444.)  
 Godding, W. W. A word with teachers from my standpoint (heredity). (Circ. inf. 2, 1882, p. 75.)  
 Goodwin, M. B. History of schools for the colored population in the District of Columbia. (Spec. rep. on D. C. for 1869, pp. 193-300.)  
 Goodwin, William W. Report of the director of the American school of classical studies at Athens for the year 1882-83. pp. 13. (Misc. pubs. 1884.)  
 Great Britain, Education in. (An. rep. 1871, pp. 466-472; 1875, p. cxxxi; 1887-88, p. 1022.)  
 Great Britain and Ireland, Education in. (An. rep. 1872, pp. 478-494; 1873, pp. clviii-clxi; 1874, pp. cxxxvi-cxxxvii; 1876, p. clxxxix; 1877, p. clxii; 1878, p. clxv; 1879, p. cxvii; 1880, p. ccx; 1881, p. ccli; 1882-83, p. ccxxii; 1883-84, p. ccxiii; 1884-85, p. cclxxvii.)  
 ——— Instruction in science and art. (An. rep. 1885-86, p. 733.)  
 ——— Secondary education in. (An. rep. 1885-86, p. 734.)  
 Greece, Education in. (An. rep. 1871, p. 472; 1872, pp. 495-496; 1875, p. cxxxi; 1876, p. cxc; 1877, p. clxvi; 1878, p. clxviii; 1880, p. ccxiv; 1881, p. cclvii; 1882-83, p. ccxxix; 1883-84, p. ccxxvi.)  
 ——— By John M. Francis. (Circ. inf. Feb., 1872, pp. 1-14.)  
 ——— *See Italy and Greece.*  
 Greek language. BOISE, JAMES R. Pronunciation of Greek in this country. (An. rep. 1876, pp. 480-483.)  
 Green, Samuel S. Library aids. pp. 10. (Misc. pubs. 1881.)  
 Greene, J. M. Powers and duties of school officers and teachers. (Circ. inf. 3, 1887, p. 94.)  
 Greenwood, J. M. Qualifications of principals. (Circ. inf. 2, 1889, p. 209.)



- Gregory, John M. Learned degrees. (Circ. inf. 2, 1879, p. 180.)  
 — Letter on normal training. (An. rep. 1879, pp. lxxx-lxxxiv.)  
 — Some fundamental inquiries concerning the common school studies. (Circ. inf. 2, 1882, p. 80.)
- Griffin, William M. Examinations for promotion. (Circ. inf. 2, 1889, p. 236.)  
*Followed by discussion by Messrs. LITTLEFIELD, PARR, WHITE, and others.*
- Griffis, William E. Education in Japan. (Circ. inf. 2, 1875, p. 9.)
- Griswold, Stephen B. Law libraries. (Pub. libs. 1876, pp. 161-170.)
- Guatemala. Education in. (An. rep. 1882-83, p. ccliv; 1883-84, p. ccliv.)
- Guiana (British), Education in. (An. rep. 1872, pp. 558-559.)
- Hailman, W. N. Application of kindergarten principles to primary education (Spec. rep. N. O. exp. 1884-85, pp. 330-331.)
- Half-time schools. New Hampshire. (An. rep. 1871, p. 282.)
- Hall, G. Stanley. Chairs of pedagogy in our higher institutions of learning. (Circ. inf. 2, 1882, p. 35.)
- Hallam, John. Libraries and the library system of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 656-662.)
- Ham, Charles H. Manual training in the public schools. (Circ. inf. 6, 1888, p. 19.)
- Hamburg, Education in. (An. rep. 1879, p. exc; 1884-85, p. cclxxvi.)
- Hammond, Charles. New England academies and classical schools. (An. rep. 1868, pp. 403-429.)
- Hampden-Sidney college. By C. R. McIlwaine. (Circ. inf. 1, 1888, p. 227.)
- Hance, Edward M. Experimental science instruction in Liverpool public elementary schools. (Spec. rep. N. O. exp. 1884-85, pp. 396-403.)
- Hancock, John. County institutes. (Circ. inf. 2, 1889, p. 76.)
- Harmonious development of the faculties. BROTHER BARBAS. (Spec. rep. N. O. exp. 1884-85, pp. 797-804.)
- Harris, H. H. Richmond College. (Circ. inf. 1, 1888, p. 271.)  
 — Washington and Lee University. (Circ. inf. 1, 1888, p. 293.)
- Harris, William T., *Commissioner of Education*, Sept. 12, 1889.  
 — Educational lessons of the census. (Circ. inf. 3, 1883, p. 24.)  
 — How to improve the qualifications of teachers. (Circ. inf. 2, 1882, p. 98.)  
 — Modern growth of cities and the education demanded by it. (Spec. rep. N. O. exp. 1884-85, pp. 712-719.)  
 — Moral education in the common schools. (Spec. rep. N. O. exp. 1884-85, pp. 883-894, and Circ. inf. 6, 1888, p. 81.)  
 — Psychology of manual training. (Circ. inf. 2, 1889, p. 117.)  
 — Recess. (Circ. inf. 4, 1884, p. 59.)  
 — School programmes. (Circ. inf. 6, 1888, p. 115.)  
 — Tenth census from an educational point of view. (Circ. inf. 2, 1880, p. 61.)
- Hart, John S. Rembrandt Peale's efforts to introduce drawing in Philadelphia high school, 1840-44; and opinions of prominent art authorities concerning Peale's Graphics. (Spec. rep. art and industry, 1885, pp. 15-30.)
- Hart, M. S. Elocution, its place in education. (Circ. inf. 6, 1888, p. 56.)
- Hartwell, Edward M. Physical training in American colleges and universities. pp. 183. (Circ. inf. 5, 1885.)  
 — Rise of college gymnasias in the United States. (Spec. rep. N. O. exp. 1884-85, pp. 663-674.)
- Hattori, Ichizo. Public school system of Japan. (Spec. rep. N. O. exp. 1884-85, pp. 347-348.)
- Havre, International congress at. pp. 6. (Misc. pubs. 1885.)
- Hawaii. LYONS, C. J. Education in Hawaiian Islands. (An. rep. 1872, pp. 567-571.)
- Hawaii, Kingdom of. Education in. (An. rep. 1872, pp. 560-571; 1875, p. cxxxviii; 1882-83, p. cclxv; 1883-84, p. cclxv; 1884-85, p. cccviii.)  
 — See also Australasia.
- Hawkins, Dexter A. National aid to State common school education. (Circ. inf. 2, 1882, p. 48.)
- Haworth, J. M. Indian education. (Circ. inf. 4, 1884, p. 24.)  
 — Present condition of the Indians. (Spec. rep. N. O. exp. 1884-85, pp. 541-544.)
- Haydon, Benj. R. Extracts from his life and correspondence showing his efforts to establish industrial art education in England. (Spec. rep. art and industry, 1885, p. 460.)
- Haygood, Atticus G. If universal suffrage, then universal education. (Circ. inf. 3, 1883, p. 43.)
- Health and education. (An. rep. 1875, p. cliv.)
- Health of college students. (An. rep. 1877, p. cxi.)
- Hebrew education. NOAH, J. J. (An. rep. 1870, pp. 359-370.)
- Heikel, Felix. Public schools of Finland. (Circ. inf. 2, 1877, pp. 9-21.)
- Heredity. GODDING, W. W. A word with teachers from my standpoint. (Circ. inf. 2, 1882, p. 75.)
- Hesse, Education in. (An. Rep. 1876, p. clxxxix; 1878, p. clxiii; 1880, p. cciv.)

- Hicks, George.** Educational progress in Jamaica. (Spec. rep. N. O. exp. 1884-85, pp. 297-314.)
- Higbee, E. E.** Best system of county and city supervision. (Circ. inf. 3, 1887, p. 102.)
- County institutes. (Circ. inf. 6, 1888, p. 47; circ. inf. 2, 1889, p. 82.)
- How a state superintendent can best advance popular education. (Circ. inf. 4, 1884, p. 76.)
- Qualifications of teachers. (Circ. inf. 6, 1888, p. 66.)
- Higher education.** See **Colleges and Universities.** (In general and by States.)
- High Schools, Connection of, with State universities.** (An. rep. 1880, p. cxi.)
- High school question. (An. rep. 1877, p. lxxxi, 1886-87, pp. 1015-1022.)
- **SMART, J. H.** The high school question. (Circ. inf. 2, 1879, pp. 167.)
- **STUART, GEORGE.** The Raison D'Être of the public high school. (An. rep. 1886-87, p. 1017, reprint from *EDUCATION*, Jan., 1888.)
- See also **Secondary education.**
- Higley, Warren.** Forestry in education. (Circ. inf. 2, 1886, pp. 134-145.)
- Hinton, Louis J.** Education of artisans. (An. rep. 1871, pp. 526-528.)
- Practical views on technical education. [*In* An. rep. 1871.] (Circ. inf. April, 1872, pp. 105-109.)
- Hinton, Richard J.** General condition of education among the Indians. (An. rep. 1871, pp. 402-411; 1872, pp. 405-418.)
- Relation of education to labor. (Circ. inf. April 8, 1872, pp. 31-101, 113-125.)
- Relations of education and labor [followed by bureau of education circular of inquiries, with replies]. (An. rep. 1870, pp. 439-467.)
- Historical societies.** List of. (An. rep. 1884-85, p. ccl.)
- History, Methods of teaching.** (An. rep. 1883-84, p. xciii.)
- History of the establishment of a permanent seat of government for the United States.** (Spec. rep. on D. C. for 1869, pp. 147-192.)
- History, Study of, in American colleges and universities.** ADAMS, H. B. pp. 299. (Circ. inf. 2, 1887.)
- Hitts, John.** Popular education in Switzerland. (Circ. inf. 1, 1879, p. 8.)
- Hoar, George F.** Letter in behalf of college of William and Mary. (An. rep. 1874, p. cxxix.)
- Hodgins, J. George.** Agricultural education in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 442-446.)
- Progress of education in the province of Ontario, Canada; historical sketch. (Spec. rep. N. O. exp. 1884-85, pp. 315-329.)
- University system of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 471-488.)
- Hogg, Alexander.** Federal aid. (Circ. inf. 6, 1888, p. 153.)
- Railroad as an element in education. (Spec. rep. N. O. exp. 1884-85, pp. 731-745.)
- Holcombe, John W.** Best system of state school supervision. (Circ. inf. 3, 1887, p. 170.)
- The high school question. (An. rep. 1886-87, p. 1015.)
- System of grading for country schools. (Circ. inf. 3, 1887, p. 138.)
- Supervision of country schools. (Circ. inf. 4, 1884, p. 13.)
- Holmes, Henry A.** History and condition of historical societies in the United States. (Pub. libs. 1876, pp. 312-325.)
- State and territorial libraries. (Pub. libs. 1876, pp. 292-311.)
- Holmes, Julia A., and Canfield, S. A. Martha.** Reformatory, charitable, and industrial schools for the young. pp. 208. (Circ. inf. 6, 1875.)
- Holt, Hosea B.** To what extent are special teachers of music necessary? (Circ. inf. 1, 1886, p. 31.)
- Homoeopathic intercollegiate congress.**  
See under **Conventions, etc., educational.**
- Home-study.** MASSACHUSETTS. (An. rep. 1875, p. 202; 1877, p. 114; 1878, p. 115; 1879, p. 113; 1880, p. 152; 1881, p. 116; 1882-83, p. 119; 1883-84, p. 138; 1884-85, p. 136.)
- NEW YORK. (An. rep. 1883-84, p. 202; 1884-85, p. 203.)
- Honorary degrees as conferred in American colleges.** By CHARLES FOSTER SMITH. pp. 12. (Bulletin No. 1, 1890.)
- Hoose, John H.** Recess or no recess. (An. rep. 1884-85, p. xxv.)
- Hough, Franklin B.** Constitutional provisions in regard to education in the several states of the American Union. pp. 130. (Circ. inf. 7, 1875.)
- Historical sketch of Union college [now a branch of Union university]. pp. 81. (Spec. rep. 1876.)
- Our schools and our forests. (Circ. inf. 3, 1881, p. 40.)
- Planting trees in school grounds. pp. 8. (Misc. pubs. 1883.)
- Planting trees in school grounds. pp. 8. (Reprint of 1883, with additions.) (Misc. pubs. 1885.)



- Hough, Franklin B., editor. Historical sketches of the universities and colleges of the United States.\* (Spec. rep. 1883.)
- Historical sketch of Mount Holyoke seminary, by Mary O. Nutting. pp. 24. (Spec. rep. 1876.)
- Historical sketch of the University of Missouri. pp. 72. [*In* Historical sketches of the universities and colleges of the United States.] (Spec. rep. 1883.)
- Historical sketch of Union college [now a branch of Union university]. pp. 81. (Spec. rep. 1876.)
- Howard college (Ala.). (Circ. inf. 3, 1889, p. 172.)
- Howe, Samuel G. Education of the blind. (An. rep. 1871, pp. 445-448; 1872, pp. 433-436.)
- Howland, George. Moral education in the common schools. (Circ. inf. 6, 1888, p. 98.)
- The school principal. (Circ. inf. 2, 1889, p. 195.)
- Hoyt, John W., chairman committee. An American university; preliminary and second reports of committee of national educational association. (An. rep. 1870, pp. 418-421; 1871, p. 421.)
- Hudson, William. Reasons why natural history, including botany, should be taught in every common school. (Spec. rep. N. O. exp. 1884-85, pp. 355-357.)
- Hulbert, Henry W. English rural schools. pp. 26. (Circ. inf. 5, 1880.)
- Hungary, Education in. (An. rep. 1872, pp. 444-447; 1873, p. clv; 1875, p. cxxviii; 1876, p. clxxxviii; 1877, p. clv; 1878, p. cliv; 1879, p. clxxxiii; 1880, p. cxvii; 1881, p. cxxxiii; 1882-83, p. cxiv; 1883-84, p. cxv; 1884-85, p. cxvi.)
- Hyde, William De Witt. Examination for promotion in the public schools. (Circ. inf. 2, 1889, p. 229.)
- Hygiene, School. FOTHERINGHAM, D. School hygiene in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 642-645.)
- Idaho, Education in. (An. rep. 1870, pp. 321-322; 1871, p. 330; 1872, pp. 373-374; 1873, pp. 451-452; 1874, pp. 486-486; 1875, pp. 495-496; 1876, pp. 446-448; 1877, pp. 283-284; 1878, pp. 279-280; 1879, pp. 276-277; 1880, pp. 363-371; 1881, pp. 291-292; 1882-83, pp. 293-294; 1883-84, pp. 298-299; 1884-85, pp. 299-300.) *For further information, see under State school systems* [by states].
- Illinois, Education in. (An. rep. 1870, pp. 110-122; 1871, pp. 137-149; 1872, pp. 73-106; 1873, pp. 78-93; 1874, pp. 80-97; 1875, pp. 81-97; 1876, pp. 77-93; 1877, pp. 44-52; 1878, pp. 49-58; 1879, pp. 46-55; 1880, pp. 63-77; 1881, pp. 48-55; 1882-83, pp. 50-60; 1883-84, pp. 59-70; 1884-85, pp. 57-68.) *For further information see under State school systems* [by States].
- Illinois State normal university at Normal. (An. rep. 1868, p. 745.)
- Illiteracy. Among minors. (An. rep. 1881, p. lxiii.)
- In cities. (An. rep. 1881, p. cxi.)
- INDIANA. (An. rep. 1873, p. 100.)
- LEIGH EDWIN. Illiteracy in the United States. (Spec. rep. on D. C. for 1869, pp. 801-839.)
- Illiteracy in the United States. [Repub. from spec. rep. on D. C. for 1869.] (An. rep. 1870, pp. 467-502.)
- MANN, HORACE. Inadequacy of existing schools to the support of a republican government [based on statistics of illiteracy in census of 1840]. (Spec. rep. on D. C. for 1869, p. 837.)
- Statistics of, 1870. (An. rep. 1871, p. 60.)
- WARREN, CHARLES. Illiteracy in the United States, in 1870 and 1880. (Circ. inf. 3, 1884, p. 7.)
- Index of publications of the Bureau of Education, 1868-1887 (An. rep. 1886-87, pp. 1031-1103.)
- Same, revised edition, 1867-1890. (An. rep. 1888-89.)
- Indexes, BOOK. PERKINS, F. B. (Pub. lib. 1876, pp. 727-732.)
- India, Education in. (An. rep. 1871, pp. 488-489; 1872, p. 538; 1878, clxxxiii; 1884-85, p. cxcv.)
- Indiana, Education in. (An. rep. 1870, pp. 123-131; 1871, pp. 150-161; 1872, pp. 107-115; 1873, pp. 94-106; 1874, pp. 98-112; 1875, pp. 98-112; 1876, pp. 94-109; 1877, pp. 53-61; 1878, pp. 59-67; 1879, pp. 56-63; 1880, pp. 78-87; 1881, pp. 56-65; 1882-83, pp. 61-70; 1883-84, pp. 71-81; 1884-85, pp. 63-77.) *For further information, see under State school systems* [by States].
- Indians (N. A.) Education and civilization of. ARMSTRONG, S. C. Indian education. (Circ. inf. 4, 1884, p. 40.)
- CLARK, S. N. Are the Indians dying out? pp. 36. (Misc. pub. 1877.)
- CROOKS, ADAM. Condition of Indian schools in Ontario, 1884. (Spec. rep. N. O. exp. 1884-85, pp. 562-584.)

\* It was proposed to publish, during the centennial year, a series of histories of colleges, universities, professional schools, and special schools of science; three only were issued.



- Indians (N. A.) Education and civilization of.** [In general.] DUNCAN, WILLIAM. Tribal and family relations among the Indians of Metlakahtla. (An. rep. 1887-88, p. 1047.)
- Education of Indians. (An. rep. 1870, p. 22; 1871, pp. 23-25; 1885-86, pp. 657-660.)
- FLETCHER, ALICE C. Historical sketch of Indian civilization and education. (Spec. rep. N. O. exp. 1884-85, pp. 746-754.)
- Indian education. (Circ. inf. 3, 1883, p. 64.)
- Indian education and civilization. Prepared in answer to Senate resolution of February 23, 1885. By Alice C. Fletcher, under direction of the Commissioner of Education. pp. 693. [Senate Ex. Doc. No. 95, Forty-eighth Congress, second session.]
- General condition of education among the Indians. (An. rep. 1870, pp. 339-354; 1873, pp. 469-480; 1874, pp. 506-516; 1875, pp. 519-523.)
- HAWORTH, J. M. Indian education. (Circ. inf. 4, 1884, p. 24.)
- Present condition of the Indians. (Spec. rep. N. O. exp. 1884-85, pp. 541-544.)
- HINTON, RICHARD J. General condition of education among the Indians (An. rep. 1871, pp. 402-411; 1872, pp. 405-418.)
- Indian school at Carlisle barracks. pp. 5. (Miss. pubs. 1880.)
- Indian schools. Duties of the superintendent of. (An. rep. 1887-88, p. 999.)
- Mohonk conference. Platform of. (An. rep. 1887-88, p. 1001.)
- NORTHROP, B. G. Indian education. (Circ. inf. 3, 1883, p. 58.)
- PRATT, R. H. Indian education. (Circ. inf. 4, 1884, p. 34.)
- SHANKS, J. P. C. Indian Territory. (An. rep. 1872, p. xxi.)
- Statistical tables and remarks. (An. rep. 1886-87, pp. 868-874; 1887-88, pp. 999-1004.)
- WOODS, SAMUEL. Education of the Indians in the Dominion of Canada. (Spec. rep. N. O. exp. 1884-85, pp. 545-561.)
- Indians (N. A.) Education and civilization of.** [By States]. NEW YORK. (An. rep. 1870, p. 233; 1871, p. 294; 1872, p. 234; 1873, p. 274; 1874, p. 293; 1875, p. 292; 1876, p. 277; 1880, p. 221; 1881, p. 174; 1882-83, p. 175.)
- OREGON. (An. rep. 1881, p. 214; 1882-83, p. 215.)
- PENNSYLVANIA. (An. rep. 1879, p. 207; 1880, p. 278; 1881, p. 225; 1882-83, p. 230; 1883-84, p. 240; 1884-85, p. 238.)
- WISCONSIN. (An. rep. 1883-84, p. 240.)
- Indian Territory, Education in.** (An. rep. 1870, p. 339; 1876, pp. 449-451; 1877, pp. 285-286; 1878, pp. 281-283; 1879, pp. 278-280; 1880, pp. 372-375; 1881, pp. 293-295; 1882-83, pp. 295-297; 1883-84, pp. 300-301; 1884-85, pp. 301-302. *For further information see under State school systems* [by States].)
- Industrial art education.** BENJ. ROBERT HAYDEN's efforts to establish industrial art education in Great Britain. (Spec. rep. art and industry, 1885, pp. 448-481.)
- Governmental aid to education in industrial and fine arts in Great Britain. (Spec. rep. art and industry, 1885, 709-793.)
- Origin, development, and purposes of. (Spec. rep. art and industry, 1885, pp. 485-514.)
- Papers relating to industrial art training exhibits in centennial exposition. (Spec. rep. art and industry, 1885, pp. 623-707.)
- Public industrial art school, Philadelphia. (An. rep. 1882-83, p. cclxxxvii.)
- SMITH, WALTER. Technical education and industrial drawing. (Circ. inf. 2, 1879, p. 70.)
- Industrial art in schools.** LELAND, CHARLES G. pp. 37. (Circ. inf. 4, 1882.)
- Industrial education.** [In general]. (An. rep. 1880, p. ccxxxiv.)
- COMPTON, H. W. What a small city (Toledo) is doing in industrial education; *with remarks by* ROBERT BINGHAM. (Circ. inf. 3, 1887, p. 134.)
- Europe. pp. 9. (Misc. pub. 1880.)
- Industrial instruction for the dependent classes. (An. rep. 1878, p. xcxcviii.)
- Industrial school for miners and mechanics. (An. rep. 1881, p. clxxix.)
- Industrial training for Indians. (An. rep. 1887-88, p. 1002-1004.)
- KLOTZ, OTTO. Mechanics' institutes in the Province of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 451-457.)
- LELAND, CHARLES G. Industrial education in Philadelphia. (Circ. inf. 3, 1883, p. 20.)
- MARBLE, A. P. Public instruction in industrial pursuits. (Circ. inf. 4, 1884, p. 126.)
- MAYO, A. D. Industrial education in the south. pp. 86. (Circ. inf. 5, 1888.)
- Meaning of the expression "industrial education." (An. rep. 1884-85, p. cxi.)
- MYERS, FRED. J. Industrial training of girls, with practical lessons in household economics, as taught in Germany. (An. rep. 1873, pp. 505-508.)
- ORDSWAY, JOHN M. Industrial education. (Circ. inf. 4, 1884, p. 117.)
- PAGE, JAMES S. Industrial education in Boston. (Circ. inf. 3, 1883, p. 16.)

- Industrial education.** [In general]. PARKER, F. W. Industrial education in our public schools. (Circ. inf. 3, 1887, p. 113.)
- POWELL, WM. B. Industrial education in our public schools. (Circ. inf. 3, 1887, p. 123.)
- Statistical tables. Institutions for instruction in industrial education. (An. rep. 1885-86, pp. 596-603.)
- United States. Industrial education in the. pp. 319. (Spec. rep. 1883.)
- WALKER, FRANCIS A. (Spec. rep. art and industry, 1885, p. 798.)
- WHITE, EMERSON E. Relation of education to industry and technical training in American schools. pp. 22. (Circ. inf. 2, 1881.)
- See also Manual training.
- Industrial education.** [By States]. Alaska. (An. rep. 1886-87, p. 43; 1887-88, p. 181.)
- ALABAMA. (An. rep. 1886-87, p. 146.)
- CALIFORNIA. San Francisco city and county industrial school. (An. rep. 1875, p. 42; 1877, p. 20; 1878, p. 21; 1879, p. 19; 1880, p. 26; 1881, p. 19; 1883-84, pp. 25; 1884-85, p. 25.)
- COLORADO. (An. rep. 1882-83, p. 26; 1884-85, p. 31.)
- CONNECTICUT. (An. rep. 1873, p. 45; 1874, p. 50; 1886-87, p. 243.)
- DISTRICT OF COLUMBIA. (An. rep. 1872, p. 397; 1878, p. 277; 1879, p. 275; 1880, p. 366; 1881, p. 288; 1882-83, p. 291; 1883-84, p. 296; 1884-85, pp. 297, 298.)
- FLORIDA. (An. rep. 1887-88, p. 106.)
- GEORGIA. (An. rep. 1875, p. 77; 1879, p. 44.)
- ILLINOIS. (An. rep. 1879, p. 54; 1880, p. 76; 1881, p. 54; 1882-83, p. 58; 1883-84, p. 68; 1884-85, p. 67; 1886-87, p. 251.)
- INDIANA. (An. rep. 1875, p. 110; 1877, p. 59; 1880, p. 85; 1882-83, p. 68; 1883-84, p. 80.)
- INDIAN TERRITORY. (An. rep. 1880, p. 294.)
- IOWA. (An. rep. 1882-83, p. 77; 1884-85, p. 85.)
- KANSAS. (An. rep. 1880, p. 105; 1881, p. 80; 1883-84, p. 95; 1884-85, p. 92.)
- LOUISIANA. (An. rep. 1871, p. 197.)
- MAINE. (An. rep. 1875, p. 166; 1878, p. 95; 1879, p. 93; 1880, p. 131; 1881, p. 95; 1882-83, p. 98; 1883-84, p. 117; 1884-85, p. 113.)
- MARYLAND. (An. rep. 1877, p. 100; 1878, p. 103; 1879, p. 100; 1881, p. 103; 1882-83, p. 106; 1883-84, p. 125; 1884-85, p. 122.)
- MASSACHUSETTS. (An. rep. 1877, p. 116; 1878, p. 116; 1879, p. 114; 1881, p. 118; 1882-83, p. 120; 1883-84, p. 139; 1884-85, p. 136; 1886-87, pp. 256-260.)
- MICHIGAN. (An. rep. 1878, p. 127; 1879, p. 125; 1880, p. 167; 1881, p. 129; 1882-83, p. 132; 1883-84, p. 149; 1884-85, p. 146.)
- MINNESOTA. (An. rep. 1880, p. 176; 1886-87, p. 262.)
- MISSISSIPPI. (An. rep. 1878, p. 139; 1884-85, p. 157; 1886-87, p. 263.)
- MISSOURI. (An. rep. 1874, p. 247; 1878, p. 147; 1880, p. 192; 1881, p. 149; 1882-83, p. 150; 1883-84, p. 169.)
- NEW HAMPSHIRE. (An. rep. 1878, p. 162; 1879, p. 157; 1880, p. 209; 1881, p. 163; 1882-83, p. 165; 1883-84, p. 182; 1884-85, p. 181.)
- NEW JERSEY. (An. rep. 1871, p. 289; 1874, p. 285; 1875, p. 235; 1876, p. 271; 1877, p. 173; 1878, p. 170; 1879, p. 164; 1880, p. 217; 1881, p. 171; 1882-83, p. 173; 1883-84, p. 189; 1884-85, p. 190.)
- NEW YORK. (An. rep. 1877, p. 184; 1878, p. 181; 1879, p. 177; 1880, p. 232; 1881, p. 186; 1882-83, p. 186; 1883-84, p. 203; 1884-85, p. 205; 1886-87, pp. 264-266.)
- NORTH CAROLINA. (An. rep. 1872, p. 263; 1883-84, p. 210.)
- OHIO. (An. rep. 1873, p. 338; 1877, p. 205; 1878, p. 198; 1879, p. 192; 1880, p. 255; 1881, p. 208; 1882-83, p. 209; 1883-84, p. 220; 1884-85, p. 222.)
- PENNSYLVANIA. (An. rep. 1877, p. 221; 1878, p. 213; 1879, p. 208; 1880, p. 278; 1881, p. 225; 1882-83, p. 229; 1883-84, p. 240; 1884-85, p. 237; 1886-87, p. 269.)
- RHODE ISLAND. (An. rep. 1876, p. 355; 1877, p. 226; 1878, p. 220; 1879, p. 216; 1880, p. 238; 1881, p. 233; 1882-83, p. 235; 1883-84, p. 247; 1884-85, p. 245.)
- SOUTH CAROLINA. (An. rep. 1887-88, p. 144.)
- TENNESSEE. (An. rep. 1880, p. 306; 1881, p. 245; 1882-83, p. 245; 1883-84, p. 259; 1884-85, p. 253.)
- VIRGINIA. (An. rep. 1877, p. 260; 1878, p. 249; 1879, p. 248; 1880, p. 331; 1881, p. 262; 1882-83, p. 263; 1883-84, p. 275; 1884-85, p. 275; 1886-87, p. 445.)
- WISCONSIN. (An. rep. 1872, p. 361; 1873, p. 421; 1874, p. 457; 1875, p. 460; 1876, p. 427; 1877, p. 273; 1878, p. 263; 1879, p. 261; 1880, p. 348; 1881, p. 275; 1882-83, p. 276; 1883-84, p. 240; 1884-85, p. 235; 1886-87, p. 450.)
- See also Manual training, in general and by States.
- Industrial schools, in cities.** (An. rep. 1883-84, p. xciv.)
- See also Charity schools, charitable institutions, etc.
- Infant asylums.** See Charity schools, charitable institutions, etc., also Orphan asylums.



- Insane, Institutions for. ILLINOIS. (An. rep. 1870, p. 116.)
- UNITED STATES. (An. rep. 1870, pp. 532-533.)
- Insanity. JARVIS, EDWARD. Relation of education to insanity. (An. rep. 1871, pp. 533-547.)
- Intercollegiate literary association. *See under Conventions, etc., educational.*
- International conference education, Philadelphia, 1876. *See under Conventions, etc., educational.*
- International educational conference, July, 1876. Philadelphia. (An. rep. 1876, p. 467.)
- International exhibition, 1876, Education at the. (An. rep. 1875, p. cxliv; 1876, p. cci.)
- International normal educational conference. *See under Conventions, etc., educational.*
- Interstate collegiate oratorical contest, Oberlin. *See under Conventions, etc., educational.*
- Interstate educational convention, Chattanooga. *See under Conventions, etc., educational.*
- *See also Exhibitions, educational.*
- Iowa, City training school in. (An. rep. 1868, p. 812.)
- Iowa, Education in. (An. rep. 1870, pp. 131-139; 1871, pp. 162-170; 1872, pp. 116-118; 1873, pp. 107-114; 1874, pp. 113-122; 1875, pp. 113-125; 1876, pp. 110-121; 1877, pp. 62-68; 1878, pp. 68-73; 1879, pp. 64-70; 1880, pp. 88-97; 1881, pp. 66-74; 1882-83, pp. 71-78; 1883-84, pp. 82-89; 1884-85, pp. 73-85.) *For further information see under State school systems [by States].*
- Italy and Greece, Education in. pp. 8. (Misc. pubs. 1883.)
- Italy, Education in. (An. rep. 1871, p. 473; 1872, pp. 496-504; 1873, p. clxi; 1874, p. cxxxvii; 1875, p. cxxxi; 1876, p. cxc; 1877, p. clxvi; 1878, p. clxvii; 1879, p. cxevi; 1880, p. ccxv; 1881, p. celviii; 1882-83, p. cexxx; 1883-84, p. cexxvii; 1884-85, p. cexx.)
- Jackman, W. S. City training and practice schools. (Circ. inf. 2, 1889, p. 45.)
- Jackson, Sheldon. Education in Alaska. (An. rep. 1877, p. xxxi; 1878, pp. 266-267; 1887-88, pp. 181-194; circ. inf. 3, 1887, p. 191.)
- Letter on education in Alaska. (An. rep. 1882-83, p. 278.)
- Neglect of education in Alaska. (Circ. inf. 2, 1882, p. 61.)
- Preliminary report of the general agent of education for Alaska. Introduction of the reindeer. pp. 15. (Spec. rep. 1891.)
- Report on education in Alaska, with maps and illustrations. pp. 89. (Misc. pub. 1886.)
- Schools in Alaska. (An. rep. 1885-86, p. 750.)
- Jacobson, Herman. German and other foreign universities. pp. 43. (Circ. inf. Jan., 1872.)
- History of secondary instruction in Germany. pp. 81. (Circ. inf. 3, 1874.)
- Jamaica, Educational progress in. By GEORGE HICKS. (Spec. rep. N. O. exp. 1884-85, pp. 297-314.)
- Progress of education in Jamaica. (An. rep. 1871, pp. 502-504; 1873, p. clxxi; 1874, p. cxlv; 1875, p. cxxxix; 1876, p. cc; 1877, p. clxxii; 1878, p. clxxvii; 1879, p. ceviii; 1880, p. cexxxi; 1882-83, p. celvi; 1884-85, p. cecevi.)
- Japan, Education in. (An. rep. 1871, p. 490; 1872, pp. 538-541; 1874, p. cxxxviii; 1875, p. cxxxi; 1876, p. cxc; 1877, p. clxviii; 1878, p. clxxiv; 1879, p. cciv; 1880, p. cexxviii; 1881, p. celxvii; 1882-83, p. celxix; 1883-84, p. celxvii.)
- Education in Japan. pp. 56. (Circ. inf. 4, 1885.)
- GRIFFIS, WILLIAM E. (Circ. inf. 2, 1875, p. 9.)
- HATTORI, ICHIZO. Public school system of Japan. (Spec. rep. N. O. exp. 1884-85, pp. 347-348.)
- MURRAY, DAVID. (Circ. inf. 2, 1875, p. 19.)
- PARKES, HARRY S. (Circ. inf. 2, 1875, p. 34.)
- Jarvis, Edward. Relation of education to insanity. (An. rep. 1871, pp. 533-547.)
- Value of common school education to common labor. (An. rep. 1872, pp. 572-585.)
- Java, Education in. (An. rep. 1875, p. cxxxii.)
- Jeffries, B. Joy. Education of the normal color sense. (Circ. inf. 4, 1884, p. 143.)
- Jefferson, Thomas, and the university of Virginia. By HERBERT B. ADAMS. pp. 308. (Circ. inf. 1, 1888.)
- Jepson, B. Study of music in New Haven. (Spec. rep. N. O. exp. 1884-85, pp. 404-405.)
- Jew's free school. BELL LANE. Spitalfields, London. (An. rep. 1886-87, p. 981.)
- John F. Slater Fund. GEORGIA. (An. rep. 1883-84, p. 54.)
- Notice of. (An. rep. 1882-83, p. lvi.)
- Table showing disbursements for 1883 and 1884. (An. rep. 1883-84, p. lxi.)
- Same for 1883-85, inclusive. (An. rep. 1884-85, p. lxxx.)
- Same for 1883-86, inclusive. (An. rep. 1885-86, p. cxi.)



- Johnson, Annie E. *See* Framingham State normal school.
- Johnston, William P. Relation of the university to the common school. (Spec. rep. N. O. exp. 1884-85, pp. 894-899.)
- Jones, Charles Edgeworth. Education in Georgia. pp. 154. (Circ. inf. 4, 1883.)
- Jones, H. S. Obstacles in the way of better primary education. (Circ. inf. 2, 1882, p. 28.)
- Josse, Edouard Louis Charles. Plan and arrangement of primary schools. [With five plates.] (Spec. rep. N. O. exp. 1884-85, pp. 675-681.)
- Journals, Educational. *See* Educational journals.
- Judson female institute (Ala.). (Circ. inf. 3, 1889, p. 193.)
- Kansas, Education in. (An. rep. 1870, pp. 140-146; 1871, pp. 171-180; 1872, pp. 119-124; 1873, pp. 115-121; 1874, pp. 123-130; 1875, pp. 126-135; 1876, pp. 122-131; 1877, pp. 69-73; 1878, pp. 74-80; 1879, pp. 71-76; 1880, pp. 98-107; 1881, pp. 75-80; 1882-83, pp. 79-83; 1883-84, pp. 90-96; 1884-85, pp. 87-93.) *For further information see under State school systems* [by States].
- State normal school, Emporia. (An. rep. 1868, p. 771.)
- Karney, Thomas. United States Naval Academy (library). (Pub. libs. 1876, p. 268.)
- Keief, Silas C. Elocution, its place in education. (Circ. inf. 6, 1888, p. 56.)
- Kentucky, Education in. (An. rep. 1870, pp. 147-149; 1871, pp. 181-191; 1872, pp. 125-131; 1873, pp. 122-133; 1874, pp. 131-145; 1875, pp. 136-149; 1876, pp. 132-144; 1877, pp. 74-81; 1878, pp. 81-86; 1879, pp. 77-83; 1880, pp. 108-115; 1881, pp. 81-85; 1882-83, pp. 84-89; 1883-84, pp. 97-103; 1884-85, pp. 94-100.) *For further information see under State school systems* [by States.]
- Kiehle, D. L. Duties of county superintendents. (Circ. inf. 2, 1886, pp. 89-93.)
- Qualifications of teachers. (Circ. inf. 6, 1888, p. 68.)
- Training of teachers. (Circ. inf. 2, 1889, p. 42.)
- Kindergartens. [In general]. (An. rep. 1879, p. lxxxvii; 1880, p. ci; 1881, p. cxxxv; 1883-84, p. cxix; 1884-85, p. cxlvi; 1885-86, p. 333; 1887-88, pp. 816-824.)
- HALLMANN, W. N. Application of kindergarten principles to primary education. (Spec. rep. N. O. exp. 1884-85, pp. 330-331.)
- Kindergarten convention. *See under Conventions, etc., educational.*
- Kindergarten instruction. (An. rep. 1882-83, p. cv.)
- MARENHOLTZ-BÜLOW. Philosophy and methods of the kindergarten. (Circ. inf. July, 1872, pp. 15-51.)
- MASSON, OCTAVIE. Introduction to "History of a Kindergarten." (Circ. inf. July, 1872, pp. 55-61.)
- OGDEN, ANNA B. Application of kindergarten principles to the child's earliest development. (Spec. rep. N. O. exp. 1884-85, pp. 332-340.)
- PEABODY, ELIZABETH P. Kindergarten culture. (An. rep. 1870, pp. 354-359.)
- — Kindergarten in Italy. (Circ. inf. July, 1872, pp. 7-13.)
- — Objects of the kindergarten. (An. rep. 1871, pp. 529-535.)
- POLLOCK, LOUISE. Kindergarten training. (Circ. inf. 2, 1879, p. 39.)
- PRUSSIA. (Spec. rep. on D. C. for 1869, p. 612.)
- Statistical tables. (An. rep. 1873, pp. 846-849; 1874, pp. 574-579; 1875, pp. 606-615; 1876, pp. 572-583; 1877, pp. 376-390; 1878, pp. 378-400; 1879, pp. 388-414; 1880, pp. 492-522; 1881, pp. 412-449; 1882-83, pp. 416-461; 1883-84, pp. 430-480; 1885-1886, pp. 334-356; 1886-87, pp. 466-493; 1887-88, pp. 817, 818, 819, 823.)
- Kindergartens. [By States.] CALIFORNIA. (An. rep. 1878, p. 16; 1879, p. 15; 1880, p. 21.)
- CONNECTICUT. (An. rep. 1876, p. 45.)
- DELAWARE. (An. rep. 1880, p. 49.)
- DISTRICT OF COLUMBIA. (An. rep. 1874, p. 472; 1876, p. 442; 1877, p. 230; 1878, p. 273; 1880, p. 363; 1881, p. 286.)
- GEORGIA. (An. rep. 1877, p. 39; 1880, p. 61; 1882-83, p. 45.)
- ILLINOIS. (An. rep. 1875, p. 83; 1876, p. 81; 1877, p. 45; 1878, p. 51; 1880, p. 69; 1882-83, p. 52; 1884-85, p. 61.)
- INDIANA. (An. rep. 1875, p. 102; 1876, p. 99; 1877, p. 54; 1880, p. 81; 1881, p. 58; 1882-83, p. 63; 1883-84, p. 75.)
- IOWA. (An. rep. 1876, p. 113; 1877, p. 64; 1880, p. 91; 1881, p. 67; 1882-83, p. 72.)
- KANSAS. (An. rep. 1881, p. 76.)
- KENTUCKY. (An. rep. 1875, p. 140; 1876, p. 136; 1877, p. 76; 1878, p. 82.)
- LOUISIANA. (An. rep. 1877, p. 83; 1880, p. 119; 1881, p. 87; 1882-83, p. 91.)
- MAINE. (An. rep. 1875, p. 161; 1880, p. 127; 1881, p. 92.)
- MARYLAND. (An. rep. 1875, p. 175; 1877, p. 96; 1880, p. 135; 1883-84, p. 120; 1884-85, p. 117.)
- MASSACHUSETTS. (An. rep. 1873, p. 166; 1874, p. 182; 1875, p. 189; 1876, p. 183; 1877, p. 106; 1878, p. 106; 1880, p. 144; 1883-84, p. 134; 1884-85, p. 130.)
- MICHIGAN. (An. rep. 1872, p. 185; 1874, p. 205; 1875, p. 212; 1878, p. 122; 1879, p. 119; 1880, p. 161; 1881, p. 123; 1882-83, p. 126; 1883-84, p. 146.)

- Kindergartens.** [By States.] MINNESOTA. (An. rep. 1875, p. 225; 1876, p. 215; 1880, p. 172; 1881, p. 133; 1882-83, p. 136; 1883-84, p. 153.)
- MISSISSIPPI. (An. rep. 1852-83, p. 141.)
- MISSOURI. (An. rep. 1875, p. 244; 1877, p. 144; 1878, p. 142; 1879, p. 137; 1880, p. 187; 1881, p. 144; 1882-83, p. 146; 1883-84, p. 164.)
- NEBRASKA. (An. rep. 1881, p. 152.)
- NEVADA. (An. rep. 1878, p. 155; 1881, p. 157; 1882-83, p. 159.)
- NEW HAMPSHIRE. (An. rep. 1875, p. 269; 1876, p. 256.)
- NEW JERSEY. An. rep. 1874, p. 280; 1875, p. 278; 1876, p. 265; 1877, p. 169; 1878, p. 167; 1880, p. 213; 1881, p. 167; 1882-83, p. 168.)
- NEW YORK. (An. rep. 1874, p. 295; 1875, p. 293; 1876, p. 277; 1878, p. 174; 1879, p. 167; 1880, p. 221; 1881, p. 174.)
- NORTH CAROLINA. (An. rep. 1880, p. 239; 1881, p. 194; 1882-83, p. 193.)
- OHIO. (An. rep. 1871, p. 319; 1874, p. 328; 1875, p. 331; 1876, p. 309; 1877, p. 197; 1878, p. 192; 1879, p. 186; 1880, p. 247; 1881, p. 201; 1882-83, p. 201.)
- PENNSYLVANIA. (An. rep. 1874, p. 360; 1875, p. 358; 1877, p. 214; 1878, p. 206; 1880, p. 267; 1881, p. 216; 1882-83, p. 218.)
- RHODE ISLAND. (An. rep. 1880, p. 285; 1881, p. 230; 1882-83, p. 232.)
- SOUTH CAROLINA. (An. rep. 1876, p. 365; 1877, p. 234; 1878, p. 224; 1880, p. 293; 1881, p. 236.)
- TENNESSEE. An. rep. 1878, p. 227; 1879, p. 224; 1880, p. 301; 1882-83, p. 242.)
- VIRGINIA. (An. rep. 1880, p. 327; 1881, p. 287; 1882-83, p. 260.)
- WISCONSIN. (An. rep. 1875, p. 454; 1876, p. 423; 1877, p. 268; 1878, p. 258; 1881, p. 270; 1882-83, p. 271.)
- Kindness to animals.** ANGELL, G. T. Importance of teaching kindness to animals, and the American "bands of mercy." (Spec. rep. N. O. exp. 1884-85, pp. 901-906.)
- Klotz, Otto.** Mechanics' institutes in the province of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 451-457.)
- Knight, George W.** Higher education in the Northwest Territory. (An. rep. 1887-88, p. 1039.)
- Kraus, John.** German-American teachers' union. (An. rep. 1871, pp. 422-424.)
- Labor and education.** Education and labor. (An. rep. 1870, pp. 38-53.)
- HINTON, R. J. Relation of education to labor. (Circ. inf. April, 1872, pp. 31-101; 113-125.)
- Relations of education and labor [followed by bureau of education circular of inquiries, with replies]. (An. rep. 1870, pp. 439-467.)
- JARVIS, EDWARD. Value of common school education to common labor. (An. rep. 1872, pp. 572-585.)
- Value of common school education to common labor. pp. 37. [Reprinted from an. rep. 1872.] (Circ. inf. 3, 1879.)
- La Grange (Ala.) college.** (Circ. inf. 3, 1889, p. 164.)
- Land grants for education.** ALABAMA. (Circ. inf. 3, 1889, p. 217.)
- ARKANSAS. (An. rep. 1871, p. 72.)
- Educational land policy of the United States. (An. rep. 1868, pp. 65-78.)
- National land grants for educational purposes. (An. rep. 1868, pp. 127-310.)
- Suggestions for a free-school policy for United States land grantees. By G. H. ATKINSON. pp. 6. (Misc. pubs. 1872.)
- United States educational land grants. (An. rep. 1880, p. xxvi.)
- See also Constitutional provisions of the several States respecting education.
- Landon, Charles W.** Necessity of music in public schools. (Circ. inf. 1, 1886, p. 21.)
- Sight-reading; what it is, and how attainable. (Circ. inf. 1, 1886, p. 33.)
- Lane, Albert G.** County institutes. (Circ. inf. 2, 1889, p. 69.)
- Language, Study of.** Berlitz school in the District of Columbia. (An. rep. 1884-85, p. 298.)
- Language work.** DOUGHERTY, N. C. (Circ. inf. 2, 1886, pp. 146-152.)
- Latin language.** RICHARDSON, WILLIAM G. Latin pronunciation. (An. rep. 1876, pp. 484-497.)
- Laveleye, Emile de.** Progress of education in Russia. (Circ. inf. 3, 1875, p. 29.)
- Law libraries.** See Libraries, Law.
- Lawrence university (Wis.).** (Circ. inf. 1, 1889, p. 51.)
- Lawrence, William.** Constitutionality of national aid to education. (Circ. inf. 3, 1883, p. 54.)
- Law schools.** [In general.] Statistical tables. (An. rep. 1870, p. 521; 1871, pp. 662-663; 1872, pp. 814-815; 1873, pp. 700-703; 1874, pp. 721-724; 1875, pp. 768-771; 1876, pp. 748-751; 1877, pp. 554-557; 1878, pp. 563-571; 1879, pp. 584-587; 1880, pp. 701-705; 1881, pp. 632-635; 1882-83, pp. 655-659; 1883-84, pp. 689-699; 1884-85, pp. 650-653; 1885-86, pp. 545-548.)



- Law schools. [By States.] ALABAMA. (An. rep. 1870, p. 82; 1875, p. 13; 1876, p. 11; 1877, p. 8; 1878, p. 9; 1879, p. 8; 1880, p. 10; 1881, p. 7; 1882-83, p. 9; 1883-84, p. 9; 1884-85, p. 9.)
- ARKANSAS. (An. rep. 1883-84, p. 15; 1884-85, p. 16.)
- CALIFORNIA. (An. rep. 1878, p. 20; 1879, p. 18; 1880, p. 25; 1881, p. 18; 1882-83, p. 19; 1883-84, p. 23; 1884-85, p. 23.)
- CONNECTICUT. (An. rep. 1874, p. 49; 1875, p. 57; 1876, p. 51; 1877, p. 29; 1878, p. 31; 1879, p. 30; 1880, p. 43; 1881, p. 30; 1882-83, p. 33; 1883-84, p. 40; 1884-85, p. 40.)
- DISTRICT OF COLUMBIA. (An. rep. 1872, p. 392; 1874, p. 478; 1875, p. 492; 1876, p. 443; 1877, p. 281; 1878, p. 276; 1879, p. 274; 1880, p. 365; 1881, p. 288; 1882-83, p. 290; 1883-84, p. 296; 1884-85, p. 297.)
- FLORIDA. (An. rep. 1883-84, p. 52.)
- GEORGIA. (An. rep. 1874, p. 76; 1875, p. 77; 1876, p. 73; 1877, p. 42; 1878, p. 47; 1879, p. 44; 1880, p. 64; 1881, p. 46; 1882-83, p. 48; 1883-84, p. 58; 1884-85, p. 55.)
- ILLINOIS. (An. rep. 1873, p. 89; 1874, p. 93; 1875, p. 92; 1876, p. 89; 1877, p. 50; 1878, p. 55; 1879, p. 52; 1880, p. 74; 1881, p. 53; 1882-83, p. 57; 1883-84, p. 67; 1884-85, p. 65.)
- INDIANA. (An. rep. 1874, p. 108; 1875, p. 109; 1876, p. 105; 1877, p. 58; 1878, p. 66; 1879, p. 61; 1880, p. 84; 1881, p. 62; 1882-83, p. 67; 1883-84, p. 78; 1884-85, p. 75.)
- IOWA. (An. rep. 1874, p. 119; 1875, p. 122; 1876, p. 118; 1877, p. 67; 1878, p. 71; 1879, p. 68; 1880, p. 95; 1881, p. 72; 1882-83, p. 76; 1883-84, p. 87; 1884-85, p. 84.)
- KANSAS. (An. rep. 1878, p. 79; 1879, p. 75; 1880, p. 108; 1881, p. 79; 1882-83, p. 82; 1883-84, p. 95; 1884-85, p. 92.)
- KENTUCKY. (An. rep. 1874, p. 140; 1875, p. 146; 1876, p. 140; 1877, p. 79; 1878, p. 85; 1879, p. 81; 1880, p. 114; 1881, p. 84; 1882-83, p. 88; 1883-84, p. 102; 1884-85, p. 98.)
- LOUISIANA. (An. rep. 1874, p. 153; 1875, p. 156; 1876, p. 151; 1877, p. 86; 1878, p. 90; 1879, p. 87; 1880, p. 122; 1881, p. 90; 1882-83, p. 93; 1883-84, p. 109; 1884-85, p. 105.)
- MAINE. (An. rep. 1874, p. 165.)
- MARYLAND. (An. rep. 1874, p. 176; 1875, p. 179; 1876, p. 175; 1877, p. 99; 1878, p. 102; 1879, p. 99; 1880, p. 138; 1881, p. 102; 1882-83, p. 105; 1883-84, p. 124; 1884-85, p. 121.)
- MASSACHUSETTS. (An. rep. 1874, p. 194; 1875, p. 198; 1876, p. 193; 1877, p. 113; 1878, p. 114; 1879, p. 113; 1880, p. 152; 1881, p. 115; 1882-83, p. 119; 1883-84, p. 138; 1884-85, p. 136.)
- MICHIGAN. (An. rep. 1874, p. 215; 1875, p. 218; 1876, p. 207; 1877, p. 126; 1878, p. 126; 1879, p. 123; 1880, p. 166; 1881, p. 128; 1882-83, p. 130; 1883-84, p. 149; 1884-85, p. 145.)
- MINNESOTA. (An. rep. 1873, p. 199; 1878, p. 133.)
- MISSISSIPPI. (An. rep. 1874, p. 233; 1875, p. 238; 1876, p. 226; 1877, p. 141; 1878, p. 138; 1879, p. 135; 1880, p. 182; 1881, p. 141; 1882-83, p. 143; 1883-84, p. 161; 1884-85, p. 157.)
- MISSOURI. (An. rep. 1874, p. 247; 1875, p. 251; 1876, p. 237; 1877, p. 149; 1878, p. 146; 1879, p. 143; 1880, p. 191; 1881, p. 148; 1882-83, p. 149; 1883-84, p. 167; 1884-85, p. 164.)
- NEW HAMPSHIRE. (An. rep. 1874, p. 272; 1875, p. 272; 1876, p. 259; 1877, p. 164; 1878, p. 162; 1879, p. 156; 1880, p. 209; 1881, p. 163; 1882-83, p. 165; 1883-84, p. 182; 1884-85, p. 180.)
- NEW YORK. (An. rep. 1874, p. 307; 1875, p. 307; 1876, p. 287; 1877, p. 182; 1878, p. 180; 1879, p. 175; 1880, p. 230; 1881, p. 184; 1882-83, p. 184; 1883-84, p. 201; 1884-85, p. 202.)
- NORTH CAROLINA. (An. rep. 1874, p. 322; 1875, p. 324; 1876, p. 302; 1877, p. 193; 1878, p. 189; 1879, p. 184; 1880, p. 242; 1881, p. 197; 1882-83, p. 196; 1883-84, p. 210; 1884-85, p. 212.)
- OHIO. (An. rep. 1873, p. 326; 1874, p. 342; 1875, p. 340; 1876, p. 318; 1877, p. 204; 1878, p. 197; 1879, p. 191; 1880, p. 254; 1881, p. 207; 1882-83, p. 208; 1883-84, p. 219; 1884-85, p. 220.)
- OREGON. (An. rep. 1883-84, p. 225; 1884-85, p. 226.)
- PENNSYLVANIA. (An. rep. 1873, p. 346; 1874, p. 369; 1875, p. 366; 1876, p. 345; 1877, p. 220; 1878, p. 211; 1879, p. 206; 1880, p. 276; 1881, p. 222; 1882-83, p. 226; 1883-84, p. 238; 1884-85, p. 236.)
- SOUTH CAROLINA. (An. rep. 1874, p. 394; 1875, p. 392; 1876, p. 367; 1877, p. 236; 1878, p. 225; 1879, p. 221; 1882-83, p. 239; 1883-84, p. 253; 1884-85, p. 251.)
- TENNESSEE. (An. rep. 1874, p. 404; 1875, p. 403; 1876, p. 379; 1877, p. 242; 1878, p. 230; 1879, p. 228; 1880, p. 305; 1881, p. 244; 1882-83, p. 245; 1883-84, p. 259; 1884-85, p. 257.)



- Law schools. [By States.] TEXAS. (An. rep. 1876, p. 389; 1877, p. 247; 1878, p. 236; 1879, p. 234; 1880, p. 314; 1881, p. 250; 1882-83, p. 251; 1883-84, p. 265; 1884-85, p. 262.)
- VIRGINIA. (An. rep. 1874, p. 434; 1875, p. 434; 1876, p. 406; 1877, p. 260; 1878, p. 248; 1879, p. 248; 1880, p. 331; 1881, p. 261; 1882-83, p. 263; 1883-84, p. 275; 1884-85, p. 274.)
- WEST VIRGINIA. (An. rep. 1879, p. 254; 1880, p. 339; 1881, p. 267; 1882-83, p. 267; 1883-84, p. 280; 1884-85, p. 279.)
- WISCONSIN. (An. rep. 1874, p. 455; 1875, p. 459; 1876, p. 426; 1877, p. 272; 1878, p. 262; 1879, p. 261; 1880, p. 347; 1881, p. 275; 1882-83, p. 275; 1883-84, p. 286; 1884-85, p. 284.)
- Law, Study of. Legal education. (An. rep. 1879, p. cxxxix; 1880, p. cl; 1881, p. clxxxiii.)
- Legal rights of children. WILCOX, S. M. pp. 96. (Circ. inf. 3, 1880.)
- Leigh, Edwin. Illiteracy in the United States. (Spec. rep. on D. C. for 1869, pp. 801-835.)
- Illiteracy in the United States [repub. from spec. rep. on D. C. for 1869]. (An. rep. 1870, pp. 467-502.)
- Leland, Charles G. Industrial art in schools. pp. 37. (Circ. inf. 4, 1882.)
- Industrial education in Philadelphia. (Circ. inf. 3, 1883, p. 20.)
- Lewis, Tayler. Remarks on crime and education, and the case of Ruloff. (An. rep. 1871, p. 35.)
- Liberia, Education in. (An. rep. 1884-85, cxcviii.)
- Librarians, Conference of. *See under Conventions, etc., educational, conference of librarians.*
- Librarians, List of. (Pub. libs. 1876, pp. 1143-1174.)
- Libraries. American Library Association catalog. (Spec. rep. N. O. exp. 1884-85, pp. 650-655.)
- BAILEY, JOHN J. Catalogues and cataloguing. (Pub. libs. 1876, p. 660.)
- Public libraries of St. Louis. (Pub. libs. 1876, p. 977.)
- BALTIMORE, Public libraries of. By G. L. SMITH. (Pub. libs. 1876, p. 837.)
- Bibliography. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 733-744.)
- BILLINGS, J. S. Medical libraries in the United States. (Pub. libs. 1876, pp. 171-182.)
- Binding and preservation of books. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 673-678.)
- BOSTON, Public libraries of. By F. B. PERKINS. (Pub. libs. 1876, pp. 378-385.)
- BRAINARD, CEPHAS. The libraries of young men's christian associations. (Pub. libs. 1876, pp. 386-388.)
- BROOKLYN, Public libraries of. By S. B. NOYES. (Pub. libs. 1876, pp. 878-882.)
- Buildings. By JUSTIN WINSOR. (Pub. libs. 1876, pp. 465-476.)
- Buildings, Construction of. By WILLIAM F. POOLE. pp. 26. (Circ. inf. 1, 1881.)
- Catalogues and cataloguing. By 1, MELVIL DEWEY; 2, S. B. NOYES; 3, JACOB SCHWARTZ; 4, JOHN J. BAILEY. (Pub. libs. 1876, pp. 623-662.)
- Catalogues, Library. [How to make]. By CHARLES A. CUTTER. (Pub. libs. 1876, pp. 526-622.)
- Same, 2d ed. with corrections and additions. pp. 133. (Spec. rep. 1889.)
- CHARLESTON, Public libraries in, and in the Southern States. By ARTHUR MAZYCK. (Pub. libs. 1876, p. 882.)
- CHICAGO, Public libraries of. By WM. F. POOLE. (Pub. libs. 1876, p. 893.)
- CHICAGO public library. (An. rep. 1873, p. 91.)
- CINCINNATI, Public libraries of. By W. H. VENABLE. (Pub. libs. 1876, p. 898.)
- CLARK, S. N., *see* WARREN, S. R. and.
- College libraries. By S. R. WARREN and S. N. CLARK. (Pub. libs. 1876, pp. 60-126.)
- College libraries as aids to instruction. By JUSTIN WINSOR. pp. 27. (Circ. inf. 1, 1880.)
- College library administration. By O. H. ROBINSON. (Pub. libs. 1876, pp. 505-525.)
- CONGRESS, Library of. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 253-261.)
- CUTTER, CHARLES A. Library catalogues [how to make.] Pub. libs. 1876, pp. 526-622.)
- Same, 2d ed. with corrections and additions. pp. 133. (Spec. rep. 1889.)
- Rules for a printed dictionary catalogue. (Pub. libs. 1876, pt. II.)
- DEWEY, MELVIL. American library association catalog. (Spec. rep. N. O. exp. 1884-85, pp. 650-655.)
- Catalogues and cataloguing. (Pub. libs. 1876, p. 623.)
- Libraries as related to the educational works of the State. (An. rep. 187-88, p. 1031.)

- Libraries.** Dictionary catalogue, Rules for a printed. By CHARLES A. CUTTER. (Pub. libs. 1876, pt. II.)
- DISTRICT LIBRARIES, New York (State). (An. rep. 1870, p. 233; 1871, p. 94; 1872, p. 243; 1873, p. 274; 1874, p. 293; 1875, p. 292.)
- DISTRICT OF COLUMBIA. (An. rep. 1871, p. 393; 1872, p. 393; 1873, p. 442; 1874, p. 483.)
- FLETCHER, WILLIAM I. Public libraries and the young. (Pub. libs. 1876, pp. 412-418.)
- Public libraries in manufacturing communities. (Pub. libs. 1876, pp. 403-411.)
- Free libraries. By J. P. QUINCY. (Pub. libs. 1876, pp. 389-402.)
- Free town libraries. By S. R. WARREN and S. N. CLARK. (Pub. libs. 1876, pp. 445-459.)
- GARDINER, O. C. Public libraries of New York [city]. (Pub. libs. 1876, p. 918-952.)
- General notes. (An. rep. 1881, p. ccr.)
- GILL, THEODORE N. Scientific libraries in the United States. (Pub. libs. 1876, pp. 183-217.)
- Government, Libraries of the general. (Pub. libs. 1876, pp. 252-278.)
- GREEN, SAMUEL S. Library aids. pp. 10. (Misc. pubs. 1881.)
- GRISWOLD, S. B. Law libraries. (Pub. libs. 1876, pp. 161-170.)
- HALLAM, JOHN. Library system of Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, pp. 656-662.)
- History, legislation, and statistics: General statistics of all public libraries in the United States reporting to the Bureau of Education, 1875-76. By S. R. WARREN and S. N. CLARK. (Pub. libs. 1876, pp. 1010-1142.)
- HOLMES, H. A. State and territorial libraries. (Pub. libs. 1876, pp. 292-311.)
- KANSAS libraries. (An. rep. 1874, p. 129.)
- Law libraries. By S. B. GRISWOLD. (Pub. libs. 1876, pp. 161-170.)
- Libraries and Education. (An. rep. 1874, p. LXXXIX.)
- Libraries of the general government. By S. R. WARREN and S. N. CLARK. (Pub. libs. 1876, pp. 252-278.)
- Library bibliography. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 733-744.)
- LIBRARY OF CONGRESS. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 253-261.)
- MAZYCK, ARTHUR. Libraries in Charleston and in the southern states. (Pub. libs. 1876, pp. 882-892.)
- Medical libraries in the United States. By J. S. BILLINGS. (Pub. libs. 1876, pp. 171-182.)
- NEW YORK CITY, Public libraries of. By O. C. GARDINER. (Pub. libs. 1876, pp. 918-952.)
- New York district libraries. (An. rep. 1870, p. 233; 1871, p. 294; 1872, p. 243; 1873, p. 274; 1874, p. 293; 1875, p. 292.)
- NOYES, S. B. Plan of new catalogue of the Brooklyn Mercantile Library. (Pub. libs. 1876, pp. 648-656.)
- Public libraries of Brooklyn. (Pub. libs. 1876, pp. 878-882.)
- ONTARIO, Library system of. By JOHN HALLAM. (Spec. rep. N. O. exp. 1884-85, pp. 656-662.)
- Organization and management of public libraries. By WM. F. POOLE. (Pub. libs. 1876, pp. 476-504.)
- Same, second ed. Reprinted from Pub. libs., 1876. (Misc. pubs.) pp. 29.
- Periodical literature and society publications. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 679-685.)
- PERKINS, F. B. How to make town libraries successful. (Pub. libs. 1876, pp. 419-430.)
- Public libraries of Boston. (Pub. libs. 1876, p. 851.)
- Young mens' mercantile libraries. (Pub. libs. 1876, pp. 378-385.)
- PHILADELPHIA, Public library of. By L. P. SMITH. (Pub. libs. 1876, pp. 952-977.)
- POOLE, WILLIAM F. Chicago public library. (An. rep. 1873, p. 91.)
- Construction of library buildings. pp. 26. (Circ. inf. 1, 1881.)
- Organization and management of public libraries. (Pub. libs. 1876, pp. 476-504.)
- Same, 2d ed. Reprinted from pub. libs., 1876. pp. 29. (Misc. pubs.)
- Public libraries. (An. rep. 1876, pp. cxxiii-cxxix.)
- Public libraries of a hundred years ago. (An. rep. 1876, p. cxxxi.)
- Public libraries of ten principal cities: Baltimore, by G. L. SMITH; Boston, by F. B. PERKINS; Brooklyn, by S. B. NOYES; Charleston, by ARTHUR MAZYCK; Chicago, by W. F. POOLE; Cincinnati, by W. H. VENABLE; New York, by O. C. GARDINER; Philadelphia, by LLOYD P. SMITH; St. Louis, by JOHN J. BAILEY; San Francisco, by A. E. WHITAKER. (Pub. libs. 1876, pp. 837-1009.)



- Libraries.** Public libraries of the United States. Ed. by S. R. WARREN and S. N. CLARK.
- QUINCY, J. P. Free libraries. (Pub. libs. 1876, pp. 389-402.)
- Reference, Works of, for libraries. By A. R. SPOFFORD. (Pub. libs. 1876, pp. 686-710.)
- ROBINSON, O. H. College library administration. (Pub. libs. 1876, pp. 505-525.)
- ROBINSON, O. H., *see also* WINSOR, JUSTIN, and
- Indexing and cataloguing miscellaneous literature. (Pub. libs. 1876, pp. 663-672.)
- Titles of books. (Pub. libs. 1876, pp. 715-726.)
- ST. LOUIS, Public libraries of. By J. J. BAILEY. (Pub. libs. 1876, pp. 977-991.)
- SAN FRANCISCO libraries. (An. rep. 1875, p. 40.)
- SAN FRANCISCO, Public libraries of, and of the Pacific coast. By A. E. WHITAKER. (Pub. libs. 1876, pp. 991-1009.)
- School and asylum libraries. By S. R. WARREN. (Pub. libs. 1876, pp. 38-59.)
- SCHWARTZ, JACOB. Catalogues and cataloguing. (In Pub. libs. 1876, pp. 623-662.)
- Scientific libraries in the United States. By THEODORE N. GILL. (Pub. libs. 1876, pp. 183-217.)
- SCUDDER, HORACE E. Public libraries a hundred years ago. (Pub. libs. 1876, pp. 1-37.)
- SMITH, G. L. Public libraries of Baltimore. (Pub. libs. 1876, pp. 837-851.)
- SMITH, LLOYD P. Public libraries of Philadelphia. (Pub. libs. 1876, pp. 952-977.)
- SPOFFORD, A. R. Binding and preservation of books. (Pub. libs. 1876, pp. 673-678.)
- Library bibliography. (Pub. libs. 1876, pp. 733-744.)
- Library of Congress. (Pub. libs. 1876, pp. 253-261.)
- Periodical literature and society publications. (Pub. libs. 1876, pp. 579-685.)
- Works of reference for libraries. (Pub. libs. 1876, pp. 686-710.)
- State and territorial libraries. (Pub. libs. 1876, pp. 292-311.)
- Statistical tables. (An. rep. 1870, pp. 541-542; 1871, pp. 668-677; 1872, pp. 820-887; 1873, pp. 729-763; 1874, pp. 753-793; 1875, pp. 797-883; 1876, pp. 777-779; 1877, pp. 583-585; 1878, pp. 599-600; 1879, pp. 618-619; 1880, pp. 733-741; 1881, pp. 668-671; 1882-83, pp. 694-699; 1883-84, pp. 724-737; 1884-85, pp. 691-782; 1885-86, pp. 716-719.)
- Statistics of public libraries in the United States. pp. 93. (From an. rep. 1884-85.) (Misc. pubs. 1886.)
- SUMNER, J. S., and "A LIBRARIAN." Theological libraries in the United States. (Pub. libs. 1876, pp. 127-160.)
- Theological libraries. By J. S. SUMNER and "A LIBRARIAN." (Pub. libs. 1876, pp. 127-160.)
- Town libraries, Free. By S. R. WARREN and S. N. CLARK. (Pub. libs. 1876, pp. 445-459.)
- Town libraries, how to make them successful. By B. F. PERKINS. (Pub. libs. 1876, pp. 419-430.)
- VENABLE, W. H. Public libraries of Cincinnati. (Pub. libs. 1876, pp. 898-917.)
- WARREN, S. R. School and asylum libraries. (Pub. libs. 1876, pp. 38-59.)
- WARREN, S. R. and CLARK, S. N. College libraries. (Pub. libs. 1876, pp. 60-126.)
- Free town libraries. (Pub. libs. 1876, pp. 445-459.)
- History, legislation, and statistics: General statistics of all public libraries in the United States reporting to the Bureau of Education, 1875-76. (Pub. libs. 1876, pp. 1010-1142.)
- WARREN, S. R. and CLARK, S. N., editors. Public libraries in the United States of America, their history, condition, and management. Part I. (Spec. rep. 1876.)
- WHITAKER, A. E. Public libraries of San Francisco and of the Pacific coast. (Pub. libs. 1876, pp. 991-1009.)
- WINSOR, JUSTIN, and ROBINSON, O. H. College libraries as aids to instruction. pp. 27. (Circ. inf. 1, 1880.)
- Library buildings. (Pub. libs. 1876, pp. 465-476.)
- Young mens' christian associations, The libraries of. By CEPHAS BRAINERD (Pub. libs. 1876, pp. 386-388.)
- Young mens' mercantile. By F. B. PERKINS. (Pub. libs. 1876, pp. 378-385.)
- Literary and scientific habits of thought.** BROTHER AZARIAS. (Spec. rep. N. O. exp. 1884-85, pp. 694-711.)
- Litigation in school matters.** (An. rep. 1880, p. cclvii.)



- London, Elementary education in. (An. rep. 1886-87, pp. 980-983.)
- Long, D. A. How shall we Americanize and Christianize the incoming tide? (Spec. rep. N. O. exp. 1884-85, pp. 792-796.)
- Loring, George B. American education. (Circ. inf. 2, 1879, p. 149.)
- Louisiana, Education in. (An. rep. 1870, pp. 150-152; 1871, pp. 192-201; 1872, pp. 132-137; 1873, pp. 134-143; 1874, pp. 146-154; 1875, pp. 150-157; 1876, pp. 145-152; 1877, pp. 82-86; 1878, pp. 87-90; 1879, pp. 84-88; 1880, pp. 116-123; 1881, pp. 86-90; 1882-83, pp. 90-93; 1883-84, pp. 104-110; 1884-85, pp. 101-106.) *For further information, see under State school systems* [by States].
- State normal school, New Orleans. (An. rep. 1868, p. 608.)
- Lovett, J. A. B. National aid to education [followed by discussion]. (Circ. inf. 2, 1886, pp. 106-113.)
- Federal aid. (Circ. inf. 6, 1888, p. 146.)
- Luckey, Geo. J. Plan for publishing school statistics [discussion]. (Circ. inf. 1, 1874, p. 13.)
- Supplementary reading. (Circ. inf. 4, 1884, p. 166.)
- Lyons, C. J. Education in Hawaiian Islands. (An. rep. 1872, pp. 567-571.)
- McCrary, Edward, jr. Education in South Carolina prior to and during the Revolution. (Circ. inf. 3, 1888, p. 211.)
- McDonogh institute. (An. rep. 1873, p. 161; 1875, p. 180; 1877, p. 100; 1878, p. 103; 1881, p. 103; 1882-83, p. 106; 1883-84, p. 125; 1884-85, p. 122.) *See also Industrial education, Maryland.*
- McFarland, H. H. Libraries of the American Seamen's Friend Society. (Pub. libs. 1876, p. 276.)
- McHenry, D. C. Secondary education in Ontario; an explanation of the leading features of its high school system. (Spec. rep. N. O. exp. 1884-85, pp. 423-433.)
- McIlwaine, C. R. Hampden-Sidney college. (Circ. inf. 1, 1888, p. 227.)
- McKinnon, Donald J. Uniform promotion examinations in the public schools of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 388-391.)
- McMillan, Andrew. Uniformity of school statistics. (Circ. inf. 3, 1881, p. 17.)
- Maine, Education in. (An. rep. 1870, pp. 153-155; 1871, pp. 202-209; 1872, pp. 138-148; 1873, pp. 144-150; 1874, pp. 155-166; 1875, pp. 158-169; 1876, pp. 153-163; 1877, pp. 87-94; 1878, pp. 91-96; 1879, pp. 89-94; 1880, pp. 124-132; 1881, pp. 91-96; 1882-83, pp. 94-99; 1883-84, pp. 111-117; 1884-85, pp. 107-114.) *For further information, see under State school systems* [by States].
- State normal school, Farmington. (An. rep. 1868, p. 777.)
- Malta, Education in. (An. rep. 1880, p. cxxx.)
- Malta and Gozo (British colony), Education in. (An. rep. 1882-83, p. ccxxxiv.)
- Mann, Horace. Inadequacy of existing schools to the support of a republican government (based on statistics of illiteracy in census of 1840.) (Spec. rep. on D. C. for 1869, p. 837.)
- Remarks at dedication of Bridgewater State normal schoolhouse, Aug., 1846. (An. rep. 1868, pp. 692-696.)
- Mansfield, D. L. Morals and manners at school. (Spec. rep. N. O. exp. 1884-85, pp. 375-376.)
- Mansfield, Edward D. Relation between crime and education. (An. rep. 1872, pp. 586-595.)
- Relation between education and pauperism. (An. rep. 1872, pp. 596-602.)
- Manual labor schools. *See Manual training. See also Industrial education.*
- Manual training. [In general]. (An. rep. 1887-88, p. 166, and pp. 825-926.)
- ALLEN, JEROME. To what extent and how can manual training be introduced into ungraded schools? (Circ. inf. 2, 1889, p. 133.)
- BROWN, GEORGE P. Educational value of manual training. (Circ. inf. 2, 1889, p. 153.)
- COMPTON, H. W. How and to what extent may manual training be introduced into city schools? (Circ. inf. 2, 1889, p. 173.)
- FORD, JOHN D. How shall manual training be introduced into the graded schools? (Circ. inf. 2, 1879, p. 168.)
- HAM, CHARLES H. Manual training in the public schools. Discussion by A. P. Marble, N. M. Butler, H. H. Belfield, M. A. Newell. (Circ. inf. 6, 1888, pp. 19-41.)
- HARRIS, WILLIAM T. Psychology of manual training. (Circ. inf. 2, 1889, p. 117.)
- In McDonogh Institute, Tulane University, Girard College, Chicago High School, manual training department of the College of the City of New York, High Schools of Omaha and Toledo, in Washington University, etc. (An. rep. 1887-88, pp. 825-926.)
- Manual training schools. (An. rep. 1881, p. clxxviii.)
- statistics. (An. rep. 1886-87, pp. 794-796.)
- SEAVER, EDWIN P. Mechanic arts high schools. (Circ. inf. 2, 1889, p. 160.)

- Manual training.** [In general.] WHITE, E. E. Relation of manual training to body and mind. (Circ. inf. 2, 1889, p. 108.)
- WOODWARD, C. M. Relation of manual training to body and mind. (Circ. inf. 2, 1879, p. 91.)
- Manual training.** [By States]. ALASKA. (An. rep. 1886-87, p. 100.)
- CALIFORNIA. (An. rep. 1887-88, p. 94.)
- DISTRICT OF COLUMBIA. (An. rep. 1886-87, p. 249.)
- ILLINOIS. (An. rep. 1880, p. 76; 1884-85, p. 66; 1887-88, p. 1099.)
- INDIANA. (An. rep. 1886-87, p. 252.)
- LOUISIANA. (An. rep. 1887-88, p. 650.)
- MAINE. (An. rep. 1887-88, p. 425.)
- MARYLAND. (An. rep. 1872, p. 152; 1887-88, p. 502.)
- MICHIGAN. (An. rep. 1887-88, p. 430.)
- NEW YORK. (An. rep. 1887-88, p. 444.)
- NORTH CAROLINA. (An. rep. 1887-88, p. 136.)
- PENNSYLVANIA. (An. rep. 1887-88, p. 140.)
- VIRGINIA. (An. rep. 1886-87, p. 492.)
- WEST VIRGINIA. (An. rep. 1887-88, p. 155.)
- See also *Industrial education* [in general and by States].
- Marble, A. P.** Federal aid. (Circ. inf. 6, 1888, p. 148.)
- Manual training in the public schools. (Circ. inf. 6, 1888, p. 21.)
- Powers and duties of school officers and teachers. (Circ. inf. 3, 1887, p. 80.)
- Public instruction in industrial pursuits. (Circ. inf. 4, 1884, p. 126.)
- March, Francis A.** Historical sketch of the movement for spelling reform. pp. 36. (Circ. inf. 7, 1880.)
- Study of Anglo-Saxon. (An. rep. 1876, pp. 475-479.)
- Marenholz-Bülów.** Philosophy and methods of the kindergarten. (Circ. inf. July, 1872, pp. 15-51.)
- Marling, Alexander.** Memorandum respecting simultaneous and uniform examinations under regulations of education department for the province of Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, pp. 782-791.)
- Martin, Wm. A. P.** Education in China. pp. 28. (Circ. inf. 1, 1877.)
- Maryland, Education in.** (An. rep. 1870, pp. 156-164; 1871, pp. 210-212; 1872, pp. 149-155; 1873, pp. 151-165; 1874, pp. 167-179; 1875, pp. 170-182; 1876, pp. 164-177; 1877, pp. 95-103; 1878, pp. 97-103; 1879, pp. 95-101; 1880, pp. 132-139; 1881, pp. 97-103; 1882-83, pp. 100-107; 1883-84, pp. 118-126; 1884-85, pp. 115-123.) *For further information, see under State school systems* [by States].
- Massachusetts.** DICKINSON, J. W. Public school system. (Spec. rep. N. O. exp. 1884-85, pp. 341-346.)
- Education in. (An. rep. 1870, pp. 165-184; 1871, pp. 213-236; 1872, pp. 156-183; 1873, pp. 166-191; 1874, pp. 180-202; 1875, pp. 183-206; 1876, pp. 178-198; 1877, pp. 104-120; 1878, pp. 104-119; 1879, pp. 102-116; 1880, pp. 140-157; 1881, pp. 104-120; 1882-83, pp. 108-124; 1883-84, pp. 127-142; 1884-85, pp. 124-139.) *For further information, see under State school systems* [by States].
- Policy of incorporated academies. (An. rep. 1868, p. 431.)
- State normal school, Salem. (An. rep. 1868, p. 697.)
- Masson, Octavie.** Introduction to "History of a kindergarten." (Circ. inf. July, 1872, pp. 55-61.)
- Maternal schools in France.** pp. 14. (Circ. inf. 4, 1882.)
- Mathematics, The teaching and history of, in the United States.** By FLORIAN CAJORI. (Circ. inf. 3, 1890.)
- Mathews, Wm.** See Perkins, F. B., and.
- Mayo, A. D.** A Southern graded school. (Spec. rep. N. O. exp. 1884-85, pp. 415-422.)
- Industrial education in the South. pp. 86. (Circ. inf. 5, 1888.)
- Building for the children of the South. pp. 16. (Misc. pubs. 1884.)
- Mazyck, Arthur.** Libraries in Charleston and the Southern States. (Pub. libs. 1876, p. 882.)
- Medical education.** [In general.] DAVIS, N. S. Contributions to the history of medical education and medical institutions in the United States of America, 1776-1876. pp. 60. (Spec. rep. 1877.)
- Examinations, Medical. Action of New York legislature respecting. (An. rep. 1872, p. liii.)
- Medical colleges in the United States. pp. 3. (Misc. pubs. 1881.)
- Medical instruction. (An. rep. 1881, p. clxxxviii.)
- Medicine, dentistry, and pharmacy. Statistical tables. Institutions for instruction in. (An. rep. 1870, pp. 522-525; 1871, pp. 664-667; 1872, pp. 816-819; 1873, pp. 704-711; 1874, pp. 725-733; 1875, pp. 772-779; 1876, pp. 752-759; 1877, pp. 558-566; 1878, pp. 572-581; 1879, pp. 582-598; 1880, pp. 706-717; 1881, pp. 636-645; 1882-83, pp. 660-672; 1883-84, pp. 690-703; 1884-85, pp. 654-667; 1885-86, pp. 548-560; 1886-87, pp. 754-775; 1887-88, pp. 783-806.)



- Medical education.** [In general.] Recognized medical colleges in the United States. pp. 4. (Misc. pubs. 1881.)
- TONER, J. M. Contributions to the annals of medical progress and medical education in the United States before and during the war of independence. pp. 118. (Spec. rep. 1874.)
- WARREN, CHARLES. Medical colleges and the medical profession. (An. rep. 1886-87, p. 1023.)
- Medical education in the United States. (An. rep. 1870, pp. 384-396.)
- Review of progress in medical education. (An. rep. 1882-83, pp. clxv-clxxxix.)
- Medical education.** See also **Medical schools** [by States].
- Medical libraries.** See **Libraries, Medical.**
- Medical schools.** [By States.] **ALABAMA.** (An. rep. 1870, p. 82; 1875, p. 13; 1876, p. 11; 1877, p. 8; 1878, p. 9; 1879, p. 8; 1880, p. 10; 1881, p. 8; 1882-83, p. 9; 1884-85, p. 9.)
- **ARKANSAS.** (An. rep. 1879, p. 12; 1880, p. 16; 1881, p. 12; 1882-83, p. 12; 1883-84, p. 15; 1884-85, p. 16.)
- **CALIFORNIA.** (An. rep. 1872, p. 25; 1874, p. 31; 1875, p. 36; 1876, p. 32; 1877, p. 19; 1878, p. 20; 1879, p. 19; 1880, p. 25; 1881, p. 18; 1882-83, p. 20; 1883-84, p. 23; 1884-85, p. 23.)
- **COLORADO.** (An. rep. 1881, p. 23; 1882-83, p. 26; 1883-84, p. 31; 1884-85, p. 30.)
- **CONNECTICUT.** (An. rep. 1874, p. 49; 1875, p. 57; 1876, p. 51; 1877, p. 29; 1878, p. 31; 1879, p. 30; 1880, p. 43; 1881, p. 30; 1882-83, p. 34; 1883-84, p. 40; 1884-85, p. 40.)
- **DISTRICT OF COLUMBIA.** (An. rep. 1872, p. 393; 1873, p. 440; 1874, p. 478; 1875, p. 492; 1876, p. 444; 1877, p. 282; 1878, p. 277; 1879, p. 274; 1880, p. 365; 1881, p. 288; 1882-83, p. 290; 1883-84, p. 296; 1884-85, p. 297.)
- **FLORIDA.** (An. rep. 1883-84, p. 52; 1884-85, p. 49.)
- **GEORGIA.** (An. rep. 1874, p. 76; 1875, p. 77; 1876, p. 73; 1877, p. 42; 1878, p. 47; 1879, p. 44; 1880, p. 64; 1881, p. 46; 1882-83, p. 48; 1883-84, p. 58; 1884-85, p. 55.)
- **ILLINOIS.** (An. rep. 1873, p. 89; 1874, p. 93; 1875, p. 92; 1876, p. 88; 1877, p. 50; 1878, p. 56; 1879, p. 53; 1880, p. 74; 1881, p. 53; 1882-83, p. 57; 1883-84, p. 67; 1884-85, p. 65.)
- **INDIANA.** (An. rep. 1874, p. 108; 1875, p. 109; 1876, p. 105; 1877, p. 58; 1878, p. 66; 1879, p. 61; 1880, p. 84; 1881, p. 62; 1882-83, p. 67; 1883-84, p. 79; 1884-85, p. 75.)
- **IOWA.** (An. rep. 1874, p. 119; 1875, p. 122; 1876, p. 118; 1877, p. 67; 1878, p. 71; 1879, p. 68; 1880, p. 95; 1881, p. 72; 1882-83, p. 76; 1883-84, p. 87; 1884-85, p. 84.)
- **KANSAS.** (An. rep. 1881, p. 79; 1882-83, p. 82; 1883-84, p. 95; 1884-85, p. 92.)
- **KENTUCKY.** (An. rep. 1874, p. 140; 1875, p. 146; 1876, p. 140; 1877, p. 79; 1878, p. 85; 1879, p. 82; 1880, p. 114; 1881, p. 85; 1882-83, p. 88; 1883-84, p. 102; 1884-85, p. 98.)
- **LOUISIANA.** (An. rep. 1874, p. 153; 1875, p. 156; 1876, p. 151; 1877, p. 86; 1878, p. 90; 1879, p. 88; 1880, p. 122; 1881, p. 90; 1883-84, p. 109; 1884-85, p. 105.)
- **MAINE.** (An. rep. 1874, p. 165; 1875, p. 166; 1876, p. 162; 1877, p. 92; 1878, p. 95; 1879, p. 93; 1880, p. 130; 1881, p. 95; 1882-83, p. 98; 1883-84, p. 116; 1884-85, p. 112.)
- **MARYLAND.** (An. rep. 1874, p. 176; 1875, p. 179; 1876, p. 175; 1877, p. 99; 1878, p. 102; 1879, p. 99; 1880, p. 138; 1881, p. 102; 1882-83, p. 105; 1883-84, p. 124; 1884-85, p. 121.)
- **MASSACHUSETTS.** (An. rep. 1874, p. 194; 1875, p. 199; 1876, p. 193; 1877, p. 114; 1878, p. 115; 1879, p. 113; 1880, p. 152; 1881, p. 115; 1882-83, p. 119; 1883-84, p. 138; 1884-85, p. 136.)
- **MICHIGAN.** (An. rep. 1874, p. 215; 1875, p. 218; 1876, p. 207; 1877, p. 126; 1878, p. 126; 1879, p. 124; 1880, p. 166; 1881, p. 128; 1882-83, p. 130; 1883-84, p. 149; 1884-85, p. 145.)
- **MINNESOTA.** (An. rep. 1873, p. 199; 1878, p. 133; 1881, p. 136; 1882-83, p. 138; 1883-84, p. 154; 1884-85, p. 152.)
- **MISSISSIPPI.** (An. rep. 1878, p. 139; 1879, p. 135; 1880, p. 182.)
- **MISSOURI.** (An. rep. 1874, p. 247; 1875, p. 251; 1876, p. 237; 1877, p. 150; 1878, p. 146; 1879, p. 143; 1880, p. 191; 1881, p. 148; 1882-83, p. 149; 1883-84, p. 168; 1884-85, p. 164.)
- **NEBRASKA.** (An. rep. 1881, p. 154; 1882-83, p. 156; 1883-84, p. 174; 1884-85, p. 170.)
- **NEW HAMPSHIRE.** (An. rep. 1874, p. 272; 1875, p. 272; 1876, p. 259; 1877, p. 164; 1878, p. 162; 1879, p. 156; 1880, p. 209; 1881, p. 163; 1882-83, p. 165; 1883-84, p. 182; 1884-85, p. 180.)
- **NEW YORK.** (An. rep. 1874, p. 307; 1875, p. 307; 1876, p. 287; 1877, p. 182; 1878, p. 180; 1879, p. 175; 1880, p. 230; 1881, p. 184; 1882-83, p. 185; 1883-84, p. 201; 1884-85, p. 202.)



- Medical schools.** [By States.] **NORTH CAROLINA.** (An. rep. 1877, p. 193; 1878, p. 189; 1879, p. 184; 1880, p. 242; 1881, p. 197; 1882-83, p. 196; 1883-84, p. 210; 1884-85, p. 212.)
- **OHIO.** (An. rep. 1873, p. 326; 1874, p. 342; 1875, p. 340; 1876, p. 318; 1877, p. 204; 1878, p. 197; 1879, p. 191; 1880, p. 254; 1881, p. 207; 1882-83, p. 208; 1883-84, p. 219; 1884-85, p. 220.)
- **OREGON.** (An. rep. 1874, p. 353; 1875, p. 350; 1876, p. 327; 1877, p. 211; 1878, p. 203; 1879, p. 197; 1880, p. 263; 1881, p. 213; 1882-83, p. 215; 1883-84, p. 225; 1884-85, p. 226.)
- **PENNSYLVANIA.** (An. rep. 1872, p. 297; 1873, p. 346; 1874, p. 369; 1875, p. 367; 1876, p. 344; 1877, p. 220; 1878, p. 211; 1879, p. 206; 1880, p. 276; 1881, p. 223; 1882-83, p. 226; 1883-84, p. 233; 1884-85, p. 236.)
- **SOUTH CAROLINA.** (An. rep. 1874, p. 394; 1875, p. 392; 1876, p. 367; 1877, p. 236; 1878, p. 225; 1879, p. 221; 1880, p. 296; 1881, p. 239; 1882-83, p. 239; 1883-84, p. 253; 1884-85, p. 251.)
- **TENNESSEE.** (An. rep. 1874, p. 404; 1875, p. 403; 1876, p. 379; 1877, p. 242; 1878, p. 231; 1879, p. 223; 1880, p. 305; 1881, p. 244; 1882-83, p. 245; 1883-84, p. 259; 1884-85, p. 257.)
- **TEXAS.** (An. rep. 1874, p. 414; 1875, p. 412; 1876, p. 389; 1877, p. 247; 1878, p. 236; 1879, p. 234; 1880, p. 314; 1881, p. 250; 1882-83, p. 251; 1883-84, p. 265; 1884-85, p. 262.)
- **VERMONT.** (An. rep. 1873, p. 389; 1874, p. 421; 1875, p. 418; 1876, p. 397; 1877, p. 421; 1878, p. 242; 1879, p. 240; 1880, p. 321; 1881, p. 254; 1882-83, p. 257; 1883-84, p. 270; 1884-85, p. 267.)
- **VIRGINIA.** (An. rep. 1874, p. 435; 1875, p. 434; 1876, p. 406; 1877, p. 260; 1878, p. 248; 1879, p. 248; 1880, p. 331; 1881, p. 261; 1882-83, p. 263; 1883-84, p. 275; 1884-85, p. 274.)
- **WASHINGTON TERRITORY.** (An. rep. 1884-85, p. 315.)
- **WEST VIRGINIA.** (An. rep. 1879, p. 254; 1880, p. 339; 1881, p. 267; 1882-83, p. 267; 1883-84, p. 280; 1884-85, p. 279.)
- **WISCONSIN.** (An. rep. 1884-85, p. 284.)
- Medicine, State laws regulating the practice of** [by States]. (An. rep. 1885-86, pp. 561-569.)
- Methodist Episcopal convention.** *See under Conventions, etc., educational.*
- Meriwether, Colyer.** History of higher education in South Carolina, with a sketch of the free school system. pp. 247. (Circ. inf. 3, 1888.)
- Mexico, Education in.** (An. rep. 1872, pp. 545-546; 1873, p. clxxi; 1874, p. cxlv; 1875, p. cxxxix; 1877, p. clxxiii; 1883-84, p. celii.)
- Michigan, Education in.** (An. rep. 1870, pp. 185-193; 1871, pp. 237-243; 1872, pp. 184-188; 1873, pp. 192-201; 1874, pp. 203-218; 1875, pp. 207-220; 1876, pp. 199-210; 1877, pp. 121-129; 1878, pp. 120-128; 1879, pp. 117-126; 1880, pp. 158-169; 1881, pp. 121-131; 1882-83, pp. 125-134; 1883-84, pp. 143-150; 1884-85, pp. 140-147.) *For further information see under State school systems* [by States].
- Military academy, United States.** *See Military education.*
- Military education.** Military training. (An. rep. 1885-86, p. 607.)
- **ORTON, EDWARD.** Report on the military system in State colleges. (Circ. inf. 2, 1879, p. 185.)
- **Statistical tables.** United States Military and Naval Academies, admission examination. (An. rep. 1870, pp. 558-559; 1871, pp. 636-637; 1872, p. 761; 1873, p. 728; 1874, p. 733; 1875, pp. 780-781; 1876, pp. 760-761; 1877, p. 567; 1878, pp. 582-583; 1879, p. 599; 1880, pp. 718-719; 1881, p. 649; 1882-83, p. 673; 1883-84, pp. 704-705; 1884-85, pp. 668-669; 1885-86, pp. 609-611.)
- Miller manual labor school** [Crozet, Va.]. (An. rep. 1878, p. 249; 1879, p. 248; 1880, p. 332; 1881, p. 262; 1882-83, p. 263; 1883-84, p. 267; 1884-85, p. 275; 1885-86, pp. 175, 602.)
- Milton college** [Wis.]. (Circ. inf. 1, 1889, p. 62.)
- Minifie, William.** Extracts from lectures on industrial art, Maryland institute, 1852-54. (Spec. rep. art and industry, 1885, p. 424.)
- Minnesota, Education in.** (An. rep. 1870, pp. 194-199; 1871, pp. 244-255; 1872, pp. 189-194; 1873, pp. 202-210; 1874, pp. 219-227; 1875, pp. 221-231; 1876, pp. 211-220; 1877, pp. 130-137; 1878, pp. 129-134; 1879, pp. 127-131; 1880, pp. 170-177; 1881, pp. 132-137; 1882-83, pp. 135-139; 1883-84, pp. 151-156; 1884-85, pp. 148-153.) *For further information see under State school systems* [by States].
- **State normal school, Winona.** (An. rep. 1868, p. 761.)
- Mississippi, Education in.** (An. rep. 1870, pp. 200-201; 1871, pp. 256-259; 1872, pp. 195-202; 1873, pp. 211-219; 1874, pp. 228-234; 1875, pp. 232-239; 1876, pp. 221-227; 1877, pp. 138-142; 1878, pp. 135-139; 1879, pp. 132-135; 1880, pp. 178-183; 1881, pp. 138-142; 1882-83, pp. 140-144; 1883-84, pp. 157-161; 1884-85, pp. 154-157.) *For further information see under State school systems* [by States].

- Missouri, Education in.** (An. rep. 1870, pp. 201-211; 1871, pp. 260-269; 1872, pp. 203-213; 1873, pp. 220-232; 1874, pp. 235-249; 1875, pp. 240-254; 1876, pp. 224-239; 1877, pp. 143-152; 1878, pp. 140-148; 1879, pp. 136-144; 1880, pp. 184-193; 1881, pp. 143-150; 1882-83, pp. 145-151; 1883-84, pp. 162-169; 1884-85, pp. 153-166.) *For further information see under State school systems [by States].*
- Model Schools [country].** TILLEY, I. I. Model school system of the province of Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, pp. 407-411.)
- Modern growth of cities and the education demanded by it.** HARRIS, WILLIAM T. (Spec. rep. N. O. exp. 1884-85, pp. 712-719.)
- Modern language association.** *See under Conventions, etc., educational.*
- Mohonk conference, Platform of.** (An. rep. 1887-88, p. 1001.)
- Montana, Education in.** (An. rep. 1870, pp. 323-325; 1872, pp. 375; 1873, pp. 453-454; 1874, pp. 489-490; 1875, pp. 497-499; 1876, pp. 452-455; 1877, pp. 287-288; 1878, pp. 284-286; 1879, pp. 231, 282; 1880, pp. 376-379; 1881, pp. 296-298; 1882-83, pp. 298-300; 1883-84, pp. 302-303; 1884-85, pp. 303-305.) *For further information see under State school systems [by States].*
- Moral and religious education.** HARRIS, WILLIAM T. Moral education in the common schools. (Spec. rep. N. O. exp. 1884-85, pp. 883-894, and circ. inf. 6, 1888, p. 81.)
- **Instruction in morals.** (An. rep. 1880, p. xxxv.)
- LONG, D. A. How shall we Americanize and christianize the incoming tide? (Spec. rep. N. O. exp. 1884-85, pp. 792-796.)
- MANSFIELD, D. L. Morals and manners at school. (Spec. rep. N. O. exp. 1884-85, pp. 375-376.)
- WELLS, J. E. Religious and moral training in the schools of Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, pp. 377-384.)
- Morals and civics.** Instruction in morals and civil government. pp. 4. (Misc. pubs. 1882.)
- Morgan, B. S.** Civil service and public school. (Circ. inf. 3, 1887, p. 67.)
- Mowry, William A.** Examination and certification of teachers. (Circ. inf. 3, 1887, p. 5.)
- Mount Holyoke seminary.** NUTTING, MARY O. Historical sketch of Mount Holyoke seminary. Edited by F. B. HOUGH. pp. 24. (Spec. rep. 1876.)
- Muhlberg, F.** Natural science in secondary schools. pp. 9. (Misc. pubs. 1882.)
- Mundella, A. J.** Letter on American school system. (An. rep. 1870, p. 30.)
- Murray, David.** Education in Japan. (Circ. inf. 2, 1875, p. 19.)
- Museums.** Statistical tables. (An. rep. 1872, pp. 888-893; 1873, pp. 764-773; 1874, pp. 794-813; 1875, pp. 884-903; 1876, pp. 780-805.)
- Museums, Art.** FRIEZE, H. S. Art museums and their connections with public libraries. (Pub. libs. 1876, pp. 434-444.)
- Museums, Educational.** EATON, JOHN. Museums illustrative of education. (Circ. inf. 3, 1881, p. 56.)
- Museums, Natural History.** ILLINOIS. (An. rep. 1873, p. 92; 1874, p. 95.)
- SHUFELDT, R. W. Outlines for a museum of anatomy. pp. 65. (Spec. rep. 1885.)
- Music, Study of.** COLORADO. (An. rep. 1881, p. 24; 1882-83, p. 26; 1884-85, p. 31.)
- CUTTER, EPHRAIM. Relation of medicine to music. (Circ. inf. 1, 1886, p. 35.)
- DISTRICT OF COLUMBIA. (An. rep. 1879, p. 275; 1880, p. 366; 1881, p. 290; 1882-83, p. 292; 1883-84, p. 297.)
- ILLINOIS. (An. rep. 1883-84, p. 69; 1884-85, p. 66.)
- List of lay singing societies and conductors. (Circ. inf. 1, 1886, p. 74.)
- NEW HAMPSHIRE. (An. rep. 1873, p. 249.)
- NEW HAVEN. JEPSON, B. Study of music in New Haven. (Spec. rep. N. O. exp. 1884-85, pp. 404-406.)
- WARREN, CHARLES. Place of music among the æsthetic arts defined, etc. (Circ. inf. 1, 1886, p. 7.)
- Music, Study of, in public schools.** Classified statistics of instruction in vocal music, as reported by 243 cities and towns in the United States. (Circ. inf. 1, 1886, p. 55.)
- EATON, JOHN. Education in music at home and abroad. (Circ. inf. 1, 1886, p. 41.)
- HOLT, HOSEA E. To what extent are special teachers of music necessary? (Circ. inf. 1, 1886, p. 31.)
- LANDON, CHARLES W. Necessity of music in the public schools. (Circ. inf. 1, 1886, p. 21.)
- Sight-reading; what is it, and how attainable. (Circ. inf. 1, 1886, p. 33.)
- STEWART, N. COE. Education of public school teachers in the art of singing. (Circ. inf. 1, 1886, p. 28.)



- Music, Study of, in public schools.** TOURGEE, EBEN F. Musical education in the common schools. (An. rep. 1871, pp. 536-537.)
- VEAZIE, GEORGE A., Jr. Why vocal music should be required by the State as a part of public school instruction. (Circ. inf. 1, 1886, p. 26.)
- Music teachers' national association.** *See under Conventions, etc., educational.*
- Myers, J. Fred.** Educational methods in Germany. (An. rep. 1871, pp. 507-510.)
- Industrial training for girls, with practical lessons in household economics, as taught in Germany. (An. rep. 1873, pp. 505-508.)
- Myopia.** BUEL, C. J., and others. Causes of increasing near-sightedness among school children. (Report.) (Rep. N. O. exp. 1884-85, pp. 636-641.)
- Alleged increase of near-sightedness among school children. (Report.) (Spec. rep. N. O. exp. 1884-85, pp. 631-635.)
- Natal Education in.** (An. rep. 1880, p. cccxix.)
- National academy of sciences.** *See under Conventions, etc., educational.*
- National aid to education.** (An. rep. 1876, p. xii; 1887-88, p. 167.)
- BICKNELL, THOS. W. Proposed legislation respecting. (Circ. inf. 4, 1884, p. 106.)
- Some practical suggestions relating to national aid to education. (Spec. rep. N. O. exp. 1884-85, pp. 720-730.)
- BLACKMAR, FRANK W. History of federal and State aid to higher education. pp. 343. (Circ. inf. 1, 1890.)
- BLAIR, H. W. National aid to education. (Circ. inf. 2, 1889, p. 297.)
- Constitutional provisions respecting education in the several States. (An. rep. 1868, pp. 79-124.)
- CURRY, J. L. M. National aid to education. (Circ. inf. 3, 1884, p. 89.)
- DICKINSON, JOHN W. National aid for the support of public schools. (Circ. inf. 4, 1884, p. 81.)
- HAWKINS, D. A. National aid to State common school education. (Circ. inf. 2, 1882, p. 48.)
- HAYWOOD, ATTICUS G. If universal suffrage, then universal education. (Circ. inf. 3, 1883, p. 43.)
- HOGG, ALEXANDER. Federal aid. (Circ. inf. 6, 1883, p. 153.)
- LAWRENCE, WILLIAM. Constitutionality of national aid to education. (Circ. inf. 3, 1883, p. 54.)
- LOVETT, J. A. B. National aid to education. (Followed by discussion.) (Circ. inf. 2, 1886, pp. 106-113; and circ. inf. 6, 1888, p. 146.)
- MARBLE, A. P. The Blair bill. (Circ. inf. 6, 1883, p. 143.)
- National land grants for educational purposes. (An. rep. 1868, pp. 127-310.)
- NELSON, THEODORE. National aid to education. (Circ. inf. 2, 1886, pp. 114-120.)
- NORTHROP, B. G. New bill for national aid to education. (Circ. inf. 4, 1884, p. 112.)
- PATTERSON, J. W. National aid to education. (Circ. inf. 3, 1881, p. 63.)
- RUFFNER, WM. H. Congress and the education of the people. (Circ. inf. 2, 1880, p. 73.)
- SKINNER, HUBERT M. National aid to education. (Circ. inf. 2, 1886, pp. 120-122.)
- Statistics regarding national aid to education. pp. 3. (Misc. pubs. 1885.)
- National association for sanitary and rural improvements. *See under Conventions, etc., educational.*
- National government and education.** Governmental provision for education. (An. rep. 1884-85, p. x.)
- National interest in education, Historical development of.** (An. rep. 1868, p. 41.)
- Natural history.** BICKMORE, ALBERT S. Study of natural history in the public schools. (Circ. inf. 3, 1883, p. 9.)
- Natural science in secondary schools. pp. 9. (Misc. pubs. 1882.)
- Study of. ILLINOIS. (Summer schools.) (An. rep. 1875, p. 93.)
- Naval academy, United States.** *See Military education.*
- Naval schools.** CALIFORNIA. Training-ship JAMESTOWN. (An. rep. 1875, p. 42.)
- Nebraska, Education in.** (An. rep. 1870, p. 212; 1871, pp. 270-271; 1872, pp. 214-215; 1873, pp. 233-241; 1874, pp. 250-260; 1875, pp. 255-263; 1876, pp. 240-247; 1877, pp. 153-156; 1878, pp. 149-153; 1879, pp. 145-148; 1880, pp. 194-199; 1881, pp. 151-155; 1882-83, pp. 152-157; 1883-84, pp. 170-174; 1884-85, pp. 167-172.) *For further information see under State school systems [by States.]*
- School savings banks in. (An. rep. 1885-86, p. 32.)
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**Negro.** THORN, WILLIAM T. Some reflections on race in education, with special reference to the negro problem. (Spec. rep. N. O. exp. 1884-85, pp. 775-781.)

**Nelson, Theodore.** National aid to education. (Circ. inf. 2, 1886, pp. 114-120.)

**Netherlands, Education in.** (An. rep. 1871, pp. 473-474; 1872, pp. 504-514; 1873, p. clxiii; 1875, p. cxxxi; 1876, p. cxci; 1877, p. clxvi; 1878, p. clxviii; 1879, p. cxvii; 1880, p. cxxxi; 1881, p. cclxviii; 1882-83, p. cxxxv; 1883-84, p. cxxviii; 1884-85, p. cxcii.)

— PLUGGÉ, CHARLES H. Education in the Netherlands. (Circ. inf. 2, 1877, pp. 25-36.)

**Nevada, Education in.** (An. rep. 1871, pp. 212-214; 1871, pp. 272-275; 1872, pp. 216-217; 1873, pp. 242-246; 1874, pp. 261-264; 1875, pp. 263-265; 1876, pp. 248-251; 1877, pp. 157-159; 1878, pp. 154-157; 1879, pp. 149-151; 1880, pp. 200-203; 1881, pp. 156-158; 1882-83, pp. 158-160; 1883-84, pp. 175-177; 1884-85, pp. 173-175.) *For further information see under State school systems (by States).*

**Newell, M. A.** Chief obstacle to successful results in the schools. (Circ. inf. 3, 1883, p. 75.)

— Manual training in the public schools. (Circ. inf. 6, 1888, p. 40.)

— Nation and the public schools. (Circ. inf. 3, 1887, p. 187.)

— Teachers' examinations. (Circ. inf. 2, 1889, p. 217.)

**New England academies and classical schools.** CHARLES HAMMOND. (An. rep. 1868, pp. 403-429.)

**New England normal musical institute.** Meeting at East Greenwich, R. I., July, Aug., 1876. (An. rep. 1876, p. 471.)

**New Hampshire, Education in.** (An. rep. 1870, pp. 215-220; 1871, pp. 276-282; 1872, pp. 218-223; 1873, pp. 247-255; 1874, pp. 264-273; 1875, pp. 266-273; 1876, pp. 252-260; 1877, pp. 160-166; 1878, pp. 158-164; 1879, pp. 152-157; 1880, pp. 204-209; 1881, pp. 159-164; 1882-83, pp. 161-166; 1883-84, pp. 178-183; 1884-85, pp. 176-182.) *For further information see under State school systems (by States).*

**New Haven training school.** (An. rep. 1868, p. 817.)

**New Jersey, Education in.** (An. rep. 1870, pp. 221-226; 1871, pp. 233-290; 1872, pp. 224-230; 1873, pp. 256-268; 1874, pp. 274-286; 1875, pp. 274-286; 1876, pp. 261-271; 1877, pp. 167-173; 1878, pp. 165-171; 1879, pp. 158-164; 1880, pp. 210-217; 1881, pp. 165-171; 1882-83, pp. 167-173; 1883-84, pp. 184-190; 1884-85, pp. 183-190.) *For further information see under State school systems (by States).*

— NEW JERSEY STATE NORMAL SCHOOL. (An. rep. 1868, p. 729.)

**Newman, Albert H.** Theological education in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 502-519.)

**New Mexico, Education in.** (An. rep. 1870, pp. 326-328; 1871, pp. 381-382; 1872, p. 376; 1873, pp. 455-459; 1874, pp. 491-499; 1875, pp. 500-509; 1876, pp. 456-457; 1877, pp. 289-290; 1878, pp. 257-258; 1879, pp. 283-284; 1880, pp. 380-381; 1881, pp. 299-300; 1882-83, p. 301; 1883-84, p. 304; 1884-85, pp. 306-307.) *For further information see under State school systems (by States).*

**New Orleans, Education at, noticed.** (An. rep. 1884-85, p. 324.)

**New Orleans, Exposition at.** See Exhibitions, Industrial.

**New South Wales, Education in.** (An. rep. 1882-83, p. cclxvi; 1883-84, p. cclxvi; 1884-85, p. cccviii.)

— See also Australasia.



- New York**, Education in. (An. rep. 1870, pp. 227-247; 1871, pp. 201-312; 1872, pp. 231-260; 1873, pp. 269-297; 1874, pp. 287-316; 1875, pp. 287-317; 1876, pp. 272-295; 1877, pp. 174-189; 1878, pp. 172-185; 1879, pp. 165-180; 1880, pp. 218-235; 1881, pp. 172-192; 1882-83, pp. 174-191; 1883-84, pp. 191-205; 1884-85, pp. 191-208.) *For further information see under State school systems (by States).*
- New York** public libraries. GARDINER, O. C. (Pub. libs. 1876, p. 918.)
- New Zealand**, Education in. (An. rep. 1882-83, p. clvii; 1883-84, p. clxvii; 1884-85, p. ccix.)
- *See also Australasia.*
- Noah, Jacob J.** Hebrew education. (An. rep. 1870, pp. 359-370.)
- The press as an educator. (An. rep. 1871, pp. 553-570.)
- Non-attendance, absenteeism, and truancy.** (An. rep. 1870, p. 56.)
- Normal and training schools.** [In general.] (An. rep. 1885-86, pp. 307-330.)
- Association of normal school teachers (of New York and Canada). Meeting, Westfield, N. Y. (An. rep. 1874, p. 522.)
- FRANCE. French normal schools. (An. rep. 1885-86, p. 317.)
- GERMANY. German normal schools and teachers' seminaries. (An. rep. 1885-86, p. 315.)
- International normal educational conference. Formation of, at Thousand Islands Park, in 1878; meeting at same place, August, 1879. (An. rep. 1879, p. 297.) Meeting (under name of International Society for Investigation and Promoting the Science of Teaching) at same place, August, 1880. (An. rep. 1880, p. 396.)
- JACKMAN, W. S. City training and practice schools. (Circ. inf. 2, 1889, p. 45.)
- Normal instruction. (An. rep. 1879, pp. lxi-lxxxiv; 1880, pp. lxxxvii-c; 1881, p. cxvii; 1882-83, p. xvi; 1883-84, p. cix; 1884-85, pp. cxxvii-cxliii.)
- FARR, S. S. City training schools. (Circ. inf. 2, 1889, p. 60.)
- PHELPS, WILLIAM F. Report on course of study for normal schools. (An. rep. 1870, pp. 399-405.)
- Philadelphia normal school for girls, Sketch of. pp. 39. (Spec. rep. 1882.)
- POWELL, WILLIAM B. Training schools. (Circ. inf. 2, 1889, p. 52.)
- Professional training of teachers. (An. rep. 1868, p. 633.)
- SMITH, JOSEPH H. Normal schools and their work in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 461-467.)
- State normal schools and other institutions for the professional training of teachers. (An. rep. 1868, pp. 649-820.)
- Statistical tables. (An. rep. 1870, pp. 526-527; 1871, pp. 606-609; 1872, pp. 699-710; 1873, pp. 573-580; 1874, pp. 559-567; 1875, pp. 587-595; 1876, pp. 550-565; 1877, pp. 356-365; 1878, pp. 355-366; 1879, pp. 360-375; 1880, pp. 464-479; 1881, pp. 379-396; 1882-83, pp. 380-398; 1883-84, pp. 388-410; 1884-85, pp. 392-416.)
- Statistical tables, summaries. (An. rep. 1885-86, pp. 307-330; 1886-87, pp. 396-465; 1887-88, pp. 379-480.)
- WHITE, E. E. Professional training of teachers in Ohio. (An. rep. 1868, pp. 795-805.)
- WHITE, S. H. Means of providing the mass of teachers with professional instruction. (An. rep. 1870, pp. 396-399.)
- WICKERSHAM, JAMES PYLE. Normal schools, followed by discussion by John W. Dickinson, Jerome Allen, Edward Brooks, and A. G. Boyden. (Circ. inf. 6, 1888, pp. 70-79.)
- *For courses of study in normal and other schools see Courses of study in general and by States.*
- Normal and training schools.** [By States]. (An. rep. 1885-86, pp. 307-330.)
- ALABAMA. (An. rep. 1870, p. 81; 1873, p. 6; 1874, p. 7; 1875, p. 10; 1876, p. 9; 1877, p. 6; 1878, p. 7; 1879, p. 7; 1880, p. 8; 1881, p. 6; 1882-83, p. 6; 1883-84, p. 7; 1884-85, p. 7; 1885-86, p. 24; 1886-87, p. 407; 1887-88, p. 408. (Circ. inf. 3, 1889, p. 253.)
- ARIZONA. (An. rep. 1886-87, p. 408.)
- ARKANSAS. (An. rep. 1873, p. 17; 1874, p. 12; 1875, p. 18; 1876, p. 19; 1877, p. 10; 1878, p. 12; 1879, p. 10; 1880, p. 15; 1881, p. 10; 1882-83, p. 11; 1883-84, p. 13; 1884-85, p. 14; 1885-86, p. 24; 1886-87, p. 408; 1887-88, p. 410.)
- CALIFORNIA. (An. rep. 1870, p. 89; 1871, p. 83; 1872, p. 23; 1874, p. 24; 1875, p. 30; 1876, p. 28; 1877, p. 17; 1878, p. 18; 1879, p. 16; 1880, p. 23; 1881, p. 15; 1882-83, p. 17; 1883-84, p. 21; 1884-85, p. 21; 1885-86, p. 25; 1886-87, p. 409; 1887-88, p. 410.)
- San Francisco City training schools. (An. rep. 1868, p. 819.)
- State normal school. [San Francisco.] (An. rep. 1868, p. 769.)
- COLORADO. (An. rep. 1878, p. 24; 1879, p. 23; 1880, p. 32; 1881, p. 22; 1882-83, p. 24; 1883-84, p. 30; 1884-85, p. 23; 1885-86, p. 25; 1886-87, p. 410; 1887-88, p. 413.)

- Normal and training schools. [By States.] CONNECTICUT. (An. rep. 1871, p. 98; 1872, p. 36; 1873, p. 43; 1874, p. 44; 1875, p. 51; 1876, p. 47; 1877, p. 27; 1878, p. 29; 1879, p. 28; 1880, p. 41; 1881, p. 28; 1882-83, p. 32; 1883-84, p. 38; 1884-85, p. 37; 1885-86, p. 26; 1886-87, p. 411; 1887-88, p. 414.)
- New Haven City training school. (An. rep. 1863, p. 817.)
- DAKOTA. (An. rep. 1878, p. 271; 1879, p. 269; 1881, p. 233; 1882-83, p. 286; 1883-84, p. 292; 1884-85, p. 291; 1886-87, p. 412; 1887-88, p. 414.)
- DELAWARE. (An. rep. 1870, p. 105; 1872, p. 53; 1873, p. 56; 1874, p. 57; 1875, p. 62; 1876, p. 58; 1877, p. 33; 1878, p. 36; 1879, p. 35; 1880, p. 49; 1881, p. 36; 1882-83, p. 38; 1883-84, p. 49; 1884-85, p. 44; 1885-86, p. 27; 1886-87, p. 413.)
- Delaware State normal university. (An. rep. 1863, p. 807.)
- DISTRICT OF COLUMBIA. (An. rep. 1873, p. 437; 1874, p. 476; 1875, p. 489; 1876, p. 442; 1877, p. 280; 1878, p. 275; 1879, p. 273; 1880, p. 363; 1881, p. 286; 1882-83, p. 289; 1883-84, p. 295; 1884-85, p. 295; 1886-87, p. 413.)
- FLORIDA. (An. rep. 1878, p. 39; 1879, p. 38; 1880, p. 56; 1881, p. 39; 1882-83, p. 42; 1883-84, p. 50; 1884-85, p. 47; 1885-86, p. 27; 1886-87, p. 414; 1887-88, p. 417.)
- GEORGIA. (An. rep. 1874, p. 73; 1875, p. 74; 1876, p. 71; 1877, p. 40; 1878, p. 45; 1879, p. 42; 1880, p. 62; 1881, p. 44; 1882-83, p. 46; 1883-84, p. 56; 1884-85, p. 53; 1885-86, p. 27; 1886-87, p. 414; 1887-88, p. 417.)
- IDAHO. (An. rep. 1884-85, p. 300.)
- ILLINOIS. (An. rep. 1870, p. 114; 1871, p. 141; 1872, p. 89; 1873, p. 88; 1874, p. 88; 1875, p. 86; 1876, p. 83; 1877, p. 48; 1878, p. 62; 1879, p. 49; 1880, p. 72; 1881, p. 51; 1882-83, p. 54; 1883-84, p. 63; 1884-85, p. 62; 1885-86, p. 28; 1886-87, p. 415; 1887-88, p. 418.)
- Illinois State normal university at Normal. (An. rep. 1868, p. 745.)
- INDIANA. (An. rep. 1871, p. 154; 1872, p. 111; 1873, p. 102; 1874, p. 104; 1875, p. 104; 1876, p. 101; 1877, p. 56; 1878, p. 63; 1879, p. 59; 1880, p. 82; 1881, p. 60; 1882-83, p. 64; 1883-84, p. 75; 1884-85, p. 72; 1885-86, p. 23; 1886-87, p. 416; 1887-88, p. 420.)
- City training schools in Indianapolis, Fort Wayne, and Evansville. (An. rep. 1863, p. 815.)
- State normal school, Terre Haute. (An. rep. 1863, p. 784.)
- INDIAN TERRITORY. (An. rep. 1880, p. 295; 1882-83, p. 297.)
- IOWA. (An. rep. 1871, pp. 162, 163; 1873, p. 110; 1874, p. 116; 1875, p. 118; 1876, p. 114; 1877, p. 65; 1878, p. 70; 1879, p. 66; 1880, p. 92; 1881, p. 69; 1882-83, p. 73; 1883-84, p. 84; 1884-85, p. 81; 1886-87, p. 418; 1887-88, p. 421.)
- City training schools in Iowa: Davenport, Ottumwa, Manchester. (An. rep. 1863, p. 812.)
- Normal department State university. (An. rep. 1863, p. 725.)
- KANSAS. (An. rep. 1870, p. 141; 1871, pp. 174, 179; 1872, p. 121; 1873, p. 117; 1874, p. 125; 1875, p. 131; 1876, p. 127; 1877, p. 71; 1878, p. 77; 1879, p. 73; 1880, p. 102; 1881, p. 77; 1882-83, p. 81; 1883-84, p. 92; 1884-85, p. 89; 1885-86, p. 29; 1886-87, p. 418; 1887-88, p. 422.)
- Kansas State normal school at Emporia. (An. rep. 1863, p. 771.)
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- State normal school, New Orleans. (An. rep. 1863, p. 808.)
- MAINE. (An. rep. 1871, p. 204; 1872, p. 143; 1873, p. 143; 1874, p. 159; 1875, p. 162; 1876, p. 159; 1877, p. 89; 1878, p. 93; 1879, p. 91; 1880, p. 128; 1881, p. 93; 1882-83, p. 96; 1883-84, p. 114; 1884-85, p. 110; 1885-86, p. 29; 1886-87, p. 420; 1887-88, p. 425.)
- Maine State normal schools at Farmington and Castine. (An. rep. 1863, p. 775.)
- MARYLAND. (An. rep. 1871, p. 210; 1873, p. 157; 1874, p. 172; 1875, p. 175; 1876, p. 172; 1877, p. 97; 1878, p. 99; 1879, p. 97; 1880, p. 135; 1881, p. 99; 1882-83, p. 102; 1883-84, p. 120; 1884-85, p. 117; 1885-86, p. 30; 1886-87, p. 421; 1887-88, p. 426.)
- Maryland State normal school, Baltimore. (An. rep. 1863, p. 779.)
- MASSACHUSETTS. (An. rep. 1871, p. 216; 1872, p. 160; 1873, p. 178; 1874, p. 187; 1875, p. 192; 1876, p. 187; 1877, p. 110; 1878, p. 110; 1879, p. 103; 1880, p. 148; 1881, p. 110; 1882-83, p. 114; 1883-84, p. 135; 1884-85, p. 131; 1885-86, p. 30; 1886-87, p. 421; 1887-88, p. 427.)
- Course of study in the normal schools adopted January 9, 1866. (An. rep. 1863, p. 637.)



- Normal and training schools.** [By States.] **MASSACHUSETTS.** State normal schools at Framingham, Westfield, Bridgewater, and Salem. (An. rep. 1863, pp. 659-700.)
- **MICHIGAN.** (An. rep. 1870, p. 186; 1871, p. 239; 1873, p. 198; 1874, p. 208; 1875, p. 214; 1876, p. 204; 1877, p. 124; 1878, p. 123; 1879, p. 121; 1880, p. 163; 1881, p. 125; 1882-83, p. 127; 1883-84, p. 146; 1884-85, p. 143; 1885-86, p. 31; 1886-87, p. 426; 1887-88, p. 429.)
- State normal school at Ypsilanti. (An. rep. 1868, p. 719.)
- **MINNESOTA.** (An. rep. 1870, p. 195; 1871, p. 249; 1872, p. 191; 1873, p. 198; 1874, p. 222; 1875, p. 226; 1876, p. 216; 1877, p. 133; 1878, p. 132; 1879, p. 129; 1880, p. 174; 1881, p. 134; 1882-83, p. 137; 1883-84, p. 153; 1884-85, p. 150; 1885-86, p. 31; 1886-87, p. 427; 1887-88, p. 430.)
- Minnesota State normal school at Winona. (An. rep. 1868, p. 761.)
- **MISSISSIPPI.** (An. rep. 1870, p. 201; 1871, p. 257; 1872, p. 198; 1873, p. 217; 1874, p. 231; 1875, p. 235; 1876, p. 224; 1877, p. 140; 1878, p. 137; 1879, p. 134; 1880, p. 181; 1881, p. 140; 1882-83, p. 141; 1883-84, p. 159; 1884-85, p. 155; 1886-87, p. 427; 1887-88, p. 432.)
- **MISSOURI.** (An. rep. 1870, pp. 205, 206; 1871, p. 264; 1872, p. 203; 1873, p. 228; 1874, p. 241; 1875, p. 217; 1876, p. 234; 1877, p. 146; 1878, p. 144; 1879, p. 139; 1880, p. 183; 1881, p. 145; 1882-83, p. 147; 1883-84, p. 164; 1884-85, p. 160; 1885-86, p. 31; 1886-87, p. 428; 1887-88, p. 433.)
- St. Louis City normal school. (An. rep. 1868, p. 609.)
- **MONTANA.** (An. rep. 1884-85, p. 305; 1886-87, p. 430; 1887-88, p. 434.)
- **NEBRASKA.** (An. rep. 1873, p. 237; 1874, p. 253; 1875, p. 258; 1876, p. 244; 1877, p. 154; 1878, p. 151; 1879, p. 146; 1880, p. 197; 1881, p. 153; 1882-83, p. 154; 1883-84, p. 172; 1884-85, p. 165; 1885-86, p. 32; 1886-87, p. 430; 1887-88, p. 434.)
- State normal school at Peru. (An. rep. 1868, p. 791.)
- **NEVADA.** (An. rep. 1871, p. 274; 1873, p. 245; 1878, p. 156; 1880, p. 203; 1883-84, p. 176; 1884-85, p. 174; 1885-86, p. 33; 1886-87, p. 431; 1887-88, p. 434.)
- **NEW HAMPSHIRE.** (An. rep. 1871, p. 277; 1872, p. 220; 1873, p. 252; 1874, p. 268; 1875, p. 270; 1876, p. 257; 1877, p. 163; 1878, p. 160; 1879, p. 155; 1880, p. 207; 1881, p. 161; 1882-83, p. 163; 1883-84, p. 180; 1884-85, p. 179; 1885-86, p. 33; 1886-87, p. 431; 1887-88, p. 435.)
- **NEW JERSEY.** (An. rep. 1870, p. 223; 1871, p. 284; 1873, p. 264; 1874, p. 281; 1875, p. 280; 1876, p. 267; 1877, p. 170; 1878, p. 168; 1879, p. 161; 1880, p. 215; 1881, p. 169; 1882-83, p. 170; 1883-84, p. 187; 1884-85, p. 187; 1886-87, p. 432; 1887-88, p. 436.)
- New Jersey State normal school. (An. rep. 1868, p. 729.)
- **NEW MEXICO.** (An. rep. 1886-87, p. 433.)
- **NEW YORK.** (An. rep. 1870, p. 231; 1871, p. 295; 1872, p. 234; 1873, p. 284; 1874, p. 300; 1875, p. 293; 1876, p. 281; 1877, p. 179; 1878, p. 177; 1879, p. 171; 1880, p. 226; 1881, p. 180; 1882-83, p. 180; 1883-84, p. 197; 1884-85, p. 198; 1885-86, p. 33; 1886-87, p. 433; 1887-88, p. 437.)
- State normal and training school at Oswego. (An. rep. 1868, p. 713.)
- State normal school at Albany. (An. rep. 1868, p. 703.)
- **NORTH CAROLINA.** (An. rep. 1873, p. 303; 1874, p. 320; 1875, p. 322; 1876, p. 299; 1877, p. 191; 1878, p. 187; 1879, p. 182; 1880, p. 239; 1881, p. 195; 1882-83, p. 194; 1883-84, p. 208; 1884-85, p. 210; 1885-86, p. 34; 1886-87, p. 437; 1887-88, p. 441.)
- **OHIO.** (An. rep. 1870, p. 254; 1872, p. 272; 1873, p. 321; 1874, p. 332; 1875, p. 334; 1876, p. 313; 1877, p. 201; 1878, p. 194; 1879, p. 189; 1880, p. 251; 1881, p. 204; 1882-83, p. 205; 1883-84, p. 216; 1884-85, p. 217; 1885-86, p. 35; 1886-87, p. 438; 1887-88, p. 441.)
- History of normal schools in Ohio. (An. rep. 1868, p. 793.)
- Professional training of teachers in Ohio, by E. E. White. (An. rep. 1868, pp. 795-805.)
- State normal schools. (An. rep. 1868, p. 752.)
- **OREGON.** (An. rep. 1874, p. 351; 1876, p. 325; 1877, p. 209; 1878, p. 202; 1879, p. 195; 1880, p. 261; 1881, p. 212; 1882-83, p. 213; 1883-84, p. 224; 1884-85, p. 224; 1885-86, p. 35; 1886-87, p. 439; 1887-88, p. 444.)
- **PENNSYLVANIA.** (An. rep. 1870, p. 271; 1871, pp. 326, 329; 1872, p. 291; 1873, p. 343; 1874, p. 363; 1875, p. 361; 1876, p. 339; 1877, p. 217; 1878, p. 208; 1879, p. 203; 1880, p. 272; 1881, p. 219; 1882-83, p. 223; 1883-84, p. 234; 1884-85, p. 233; 1885-86, p. 35; 1886-87, p. 440; 1887-88, p. 446.)
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- **RHODE ISLAND.** (An. rep. 1873, p. 357; 1874, p. 381; 1875, p. 380; 1876, p. 357; 1877, p. 228; 1878, p. 218; 1879, p. 214; 1880, p. 286; 1881, p. 232; 1882-83, p. 233; 1883-84, p. 245; 1884-85, p. 243; 1885-86, p. 36; 1886-87, p. 442; 1887-88, p. 450.)



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— **South Carolina State normal school, Charleston.** (An. rep. 1868, p. 785.)  
 — **TENNESSEE.** (An. rep. 1873, p. 374; 1874, p. 399; 1875, p. 399; 1876, p. 375; 1877, p. 240; 1878, p. 223; 1879, p. 226; 1880, p. 302; 1881, p. 242; 1882-83, p. 243; 1883-84, p. 257; 1884-85, p. 255; 1885-86, p. 36; 1886-87, p. 444; 1887-88, p. 452.)

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— **VERMONT.** (An. rep. 1870, p. 291; 1871, p. 354; 1872, pp. 335, 336; 1874, p. 418; 1875, p. 416; 1876, p. 394; 1877, p. 251; 1878, p. 240; 1879, p. 238; 1880, p. 319; 1881, p. 253; 1882-83, p. 255; 1883-84, p. 268; 1884-85, p. 266; 1885-86, p. 37; 1886-87, p. 446; 1887-88, p. 453.)

— **Vermont State normal schools at Randolph and Johnson.** (An. rep. 1868, pp. 789-790.)

— **VIRGINIA.** (An. rep. 1874, p. 423; 1875, p. 428; 1877, p. 258; 1878, p. 247; 1879, p. 245; 1880, p. 329; 1881, p. 259; 1882-83, p. 261; 1883-84, p. 273; 1884-85, p. 272; 1885-86, p. 37; 1886-87, p. 447; 1887-88, p. 454.)

— **WASHINGTON TERRITORY.** (An. rep. 1877, p. 295; 1878, p. 293; 1879, p. 288; 1880, p. 389; 1881, p. 304; 1882-83, p. 305; 1883-84, p. 306; 1884-85, p. 313; 1886-87, p. 449.)

— **WEST VIRGINIA.** (An. rep. 1870, p. 300; 1871, pp. 363, 368; 1872, pp. 352, 353; 1873, p. 410; 1874, p. 442; 1875, p. 444; 1876, p. 414; 1877, p. 263; 1878, p. 252; 1879, p. 252; 1880, p. 337; 1881, p. 265; 1882-83, p. 266; 1883-84, p. 278; 1884-85, p. 277; 1885-86, p. 38; 1886-87, p. 449; 1887-88, p. 455.)

— **West Virginia normal schools.** (An. rep. 1863, p. 806.)

— **WISCONSIN.** (An. rep. 1870, p. 303; 1871, p. 372; 1872, p. 359; 1873, p. 417; 1874, p. 451; 1875, p. 454; 1876, p. 424; 1877, p. 269; 1878, p. 260; 1879, p. 253; 1880, p. 345; 1881, p. 272; 1882-83, p. 272; 1883-84, p. 283; 1884-85, p. 282; 1886-87, p. 449; 1887-88, p. 456.)

— **Wisconsin State normal schools.** (An. rep. 1868, p. 755.)

— **WYOMING.** (An. rep. 1883-84, p. 309; 1884-85, p. 317; 1886-87, p. 451.)

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**North Carolina.** Atkinson, S. G., History and status of education among colored people. (Circ. inf. 2, 1888, p. 157.)

— **Education in.** (An. rep. 1870, pp. 248-252; 1871, pp. 313-316; 1872, pp. 261-263; 1873, pp. 298-307; 1874, pp. 317-323; 1875, pp. 318-325; 1876, pp. 296-303; 1877, pp. 190-194; 1878, pp. 186-189; 1879, pp. 181-184; 1880, pp. 236-243; 1881, pp. 193-198; 1882-83, pp. 192-198; 1883-84, pp. 206-211; 1884-85, pp. 209-212.) *For further information see under State school systems (by States).*

— **Female education, Higher.** (Circ. inf. 2, 1888, p. 117.)

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— **History of education in, by Charles Lee Smith.** pp. 179. (Circ. inf. 2, 1888.)

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— **Primary and secondary education in cities and towns.** (Statistical tables.) (Spec. rep. on D. C. for 1869, p. 715.)

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**Nourse, J. H.** Naval observatory (library). (Pub. libs. 1876, p. 267.)

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— **Public libraries of Brooklyn.** (Pub. libs. 1876, p. 878.)

**Nursing and schools for training nurses.** CONNECTICUT. (An. rep. 1873, p. 45; 1881, p. 31; 1882-83, p. 34; 1883-84, p. 41; 1884-85, p. 41.)

— **DISTRICT OF COLUMBIA.** (An. rep. 1879, p. 275; 1880, p. 366; 1881, p. 239; 1882-83, p. 291.)

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- **INDIANA.** (An. rep. 1882-83, p. 68; 1884-85, p. 76.)
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- **Training schools for nurses.** pp. 21. (Circ. inf. 1, 1879.)
- Nutting, Mary O.** Historical sketch of Mount Holyoke seminary. Edited by F. B. Hough. pp. 24. (Spec. rep. 1876.)
- Oberlin college,** Sketch of. (An. rep. 1868, p. 400.)
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- Ogden, Mrs. Anna B.** Application of kindergarten principles to the child's earliest developments. (Spec. rep. N. O. exp. 1884-85, pp. 332-340.)
- Ohio,** Education in. (An. rep. 1870, pp. 252-267; 1871, pp. 317-322; 1872, pp. 269-282; 1873, pp. 308-331; 1874, pp. 324-347; 1875, pp. 326-344; 1876, pp. 304-321; 1877, pp. 195-207; 1878, pp. 190-199; 1879, pp. 185-193; 1880, pp. 244-257; 1881, pp. 199-209; 1882-83, pp. 199-211; 1883-84, pp. 212-221; 1884-85, pp. 213-222.) *For further information see under State school systems (by States).*
- **History of normal schools in Ohio.** (An. rep. 1868, p. 793.)
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- Orcutt, Hiram.** Discipline of the school. pp. 15. (Reprint of circ. inf. Nov., 1871.) (Misc. pubs. 1881.)
- **Methods of school discipline.** pp. 14. (Circ. inf. Nov., 1871.)
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- Oregon,** Education in. (An. rep. 1870, p. 268; 1871, pp. 323-325; 1872, pp. 283-287; 1873, pp. 332-336; 1874, pp. 348-354; 1875, pp. 345-352; 1876, pp. 322-329; 1877, pp. 208-211; 1878, pp. 200-203; 1879, pp. 194-197; 1880, pp. 258-263; 1881, pp. 210-214; 1882-83, pp. 212-216; 1883-84, pp. 222-227; 1884-85, pp. 223-226.) *For further information see under State school systems (by States).*
- Orphan asylums.** **CALIFORNIA.** (An. rep. 1873, p. 32; 1874, p. 35; 1875, p. 39; 1881, p. 19; 1882-83, p. 20; 1884-85, p. 24.)
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- **DISTRICT OF COLUMBIA.** (An. rep. 1872, p. 396; 1874, p. 479; 1879, p. 275; 1880, p. 366; 1881, p. 289; 1882-83, p. 291; 1883-84, p. 297.)
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- **INDIANA.** (An. rep. 1876, p. 106; 1881, p. 63; 1882-83, p. 67.)
- **IOWA.** (An. rep. 1874, p. 120; 1875, p. 123; 1879, p. 69; 1883-84, p. 88; 1884-85, p. 85.)
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- WISCONSIN. (An. rep. 1872, p. 362; 1873, p. 421; 1874, p. 456; 1881, p. 276.)
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- Orr, Gustavus J.** Needs of education in the South. (Circ. inf. 2, 1879, p. 46.)
- *Same*, 2d ed. Reprinted from circ. inf. 2, 1879, pp. 13. (Misc. pubs. 1879.)
- Orthographic convention.** Philadelphia, Aug., 1876. (An. rep. 1876, p. 463.)
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- Pennsylvania, Art instruction in.** (Spec. rep. on D. C. for 1869, p. 775.)
- Education in. (An. rep. 1870, pp. 263-281; 1871, pp. 326-334; 1872, pp. 288-303; 1873, pp. 337-352; 1874, pp. 355-375; 1875, pp. 352-372; 1876, pp. 330-350; 1877, pp. 212-223; 1878, pp. 204-214; 1879, pp. 193-210; 1880, pp. 264-281; 1881, pp. 215-228; 1882-83, pp. 217-230; 1883-84, pp. 228-241; 1884-85, pp. 227-238.) For further information, see under **State school systems** (by States).
- Pennsylvania museum and school of industrial art.** WALTER SMITH's plea for State aid to. (Spec. rep. art and industry, 1885, p. 509.)
- Pennsylvania State normal school, Mansfield.** (An. rep. 1868, p. 753.)
- Perkins, Frederick B.** Book indexes. (Pub. libs. 1876, pp. 727-732.)
- How to make town libraries successful. (Pub. libs. 1876, pp. 419-430.)
- Public libraries of Boston and vicinity. (Pub. libs. 1876, p. 851.)
- Young men's mercantile libraries. (Pub. libs. 1876, pp. 378-385.)
- Perkins, Frederick B., and Mathews, William.** Professorships of books and reading. (Pub. libs. 1876, pp. 230-251.)
- Perry, Walter S.** Two lectures on drawing in public schools. (Spec. rep. art and industry, 1885, pp. 591-604.)
- Peru, Education in.** (An. rep. 1871, pp. 497-498.)
- Petroff, Ivan.** Letter on education in Alaska. (An. rep. 1882-83, p. 281.)
- Pharmacy.** See **Medicine**.
- Phelps, William F.** Course of study for normal schools. (Report of committee.) (An. rep. 1870, pp. 399-405.)
- Philadelphia normal school for girls.** Sketch of. pp. 39. (Spec. rep. 1882.)
- Philadelphia public libraries.** SMITH, LLOYD P. (Pub. libs. 1876, p. 952.)
- Philbrick, John D.** City school systems in the United States. pp. 207. (Circ. inf. 1, 1885.)
- Education at the Paris exposition. (Circ. inf. 2, 1879, p. 93.)
- Report of 1871 on Boston public schools quoted. (Spec. rep. art and industry, 1885, p. 437.)
- Systems of public instruction in American and European cities compared. (Circ. inf. 1, 1874, p. 62.)
- Technical education in its relations to elementary schools. (Circ. inf. 2, 1880, p. 49.)
- Physical Education.** HARTWELL, EDWARD M. Physical training in American colleges and universities. pp. 183. (Circ. inf. 5, 1885.)
- Rise of college gymnasia in the United States. (Spec. rep. N. O. exp. 1884-85, pp. 663-674.)
- Physiology of reading and writing.** (An. rep. 1880, p. ccl.)
- Pickard, J. L.** Students' work at the national centennial exhibition, 1876. (Circ. inf. 8, 1875.)
- Pluggé, Charles H.** Education in the Netherlands. (Circ. inf. 2, 1877, pp. 25-36.)
- Political science.** STRONG, WILLIAM. Instruction in governmental ideas. (Circ. inf. 2, 1879, p. 65.)
- VESSIOT, A. Instruction in morals and civil government. pp. 4. (Misc. pubs. 1882.)
- Pollock, Mrs. Louise.** Kindergarten training. (Circ. inf. 2, 1879, p. 39.)
- Poole, William F.** Construction of library buildings. pp. 26. (Circ. inf. 1, 1881.)
- Organization and management of public libraries. (Pub. libs. 1876, pp. 476-504.)
- Same. Reprinted from pub. libs. 1876. pp. 29. (Misc. pubs.)
- Public libraries of Chicago. (Pub. libs. 1876, p. 893.)
- Portugal, Education in.** (An. rep. 1871, p. 474; 1872, p. 514; 1874, p. cxli; 1875, p. cxxxiii; 1876, p. exci; 1877, p. clxviii; 1878, p. clxix; 1879, p. cxevii; 1880, p. cccxii; 1881, p. cclxi; 1882-83, p. cccxxxvii; 1883-84, p. cccxix. Circ. inf. 1, 1873, pp. 51-66. Circ. inf. 2, 1877, pp. 55-72.)
- Statistics of elementary education in, 1863-69. Circ. inf. Feb., 1872, p. 51.)
- Powell, William B.** Industrial education in our public schools. (Circ. inf. 3, 1887, p. 123.)
- Training schools. (Circ. inf. 2, 1889, p. 52.)

- Pratt, R. H.** Indian education. (Circ. inf. 4, 1884, p. 34.)
- Preparatory schools.** Statistical tables. (An. rep. 1873, pp. 644-649; 1874, pp. 652-659; 1875, pp. 694-701; 1876, pp. 672-681; 1877, pp. 477-486; 1878, pp. 489-498; 1879, pp. 501-510; 1880, pp. 613-622; 1881, pp. 544-554; 1882-83, pp. 567-579; 1883-84, pp. 592-605; 1884-85, pp. 552-566; 1885-86, pp. 426-436.)
- See also **Secondary education.**
- Press and education.** NOAH, J. J. The press as an educator. (An. rep. 1871, pp. 553-570.)
- Primary education.** JONES, H. S. Obstacles in the way of better primary education. (Circ. inf. 2, 1882, p. 28.)
- Prison congress at Cincinnati.** Oct. 12-18, 1870. (An. rep. 1870, pp. 421-422.)
- Prison libraries.** WARREN, S. R., and CLARK, S. N. Libraries in prisons and reformatories. (Pub. libs. 1876, pp. 218-229.)
- Prisons.** Meeting of international prison congress at Rome, 1884, p. 11. (Circ. inf. 1, 1884.)
- Statistics of. (An. rep. 1870, pp. 548-557; 1871, pp. 692-695; 1872, pp. 916-917.)
- Prison schools.** CALIFORNIA. State prison school. (An. rep. 1875, p. 41.)
- Relations of education to crime in New England, and the facilities for education in her penal institutions. (An. rep. 1871, pp. 548-552.)
- Prizes.** Bufalini prize. pp. 5. (Misc. pubs. 1883.)
- Professional instruction.** (An. rep. 1885-86, pp. 534-569.)
- Prussia, education in.** (An. rep. 1876, p. clxxxvii; 1877, p. clx; 1878, p. clxii; 1879, p. cxc; 1880, p. cciv; 1882-83, p. ccxix; 1883-84, p. ccxi; 1884-85, p. ccxix.)
- Public instruction in. (An. rep. 1868, pp. 435-522.)
- System of public schools in. (Spec. rep. on D. C. for 1869, pp. 609-682.)
- Prussian conscripts, Educational condition of.** (Circ. inf. Aug., 1870, p. 31.)
- Publications, educational, historical, etc., List of.** (An. rep. 1871, pp. 698-700; 1872, pp. 927-940; 1873, pp. 826-845; 1874, pp. 888-913; 1875, pp. 982-996; 1876, pp. 896-920; 1877, pp. 618-633; 1878, pp. 702-719; 1879, pp. 722-744; 1880, pp. 876-902; 1881, pp. 792-828; 1882-83, pp. 822-860; 1883-84, pp. 884-930; 1885-86, pp. 677-708.)
- Public schools.** DICKINSON, JOHN W. The province of the public school. (Circ. inf. 3, 1887, p. 115.)
- Digest of rules and regulations of, in cities. (Spec. rep. on D. C. for 1869, pp. 417-464.)
- Free schools in South Carolina. (Circ. inf. 3, 1883, p. 109.)
- List of officials in States and Territories of the United States. pp. 62. (Misc. pubs. 1875.)
- Nation and the public schools, by HENRY W. BLAIR, with remarks by Wm. M. Stewart and M. A. Newell. (Circ. inf. 3, 1887, pp. 179-188.)
- YOUNG, CHARLES S. Public schools of the Pacific coast. (Spec. rep. N. O. exp. 1884-85, pp. 366-370.)
- See also **City school systems; also State school systems.**
- Queensland.** See **Australasia.**
- Quincy, J. F.** Free libraries. (Pub. libs. 1876, pp. 389-402.)
- Racine college (Wis.).** (Circ. inf. 1, 1889, p. 58.)
- Railroad, The, as an element in education.** HOGG, ALEXANDER. (Spec. rep. N. O. exp. 1884-85, pp. 731-745.)
- Randall, C. D.** Education of dependent children. (Circ. inf. 2, 1880, p. 19.)
- Randolph-Macon college (Va.).** (Circ. inf. 1, 1888, p. 240.)
- Read, Daniel.** Historical sketch of the University of Missouri. (*In Historical sketches of the universities and colleges of the United States.* Edited by B. F. HOUGH.) (Spec. rep. 1883.)
- Reading.** EDWARDS, CHARLES G. (Circ. inf. 4, 1884, p. 170.)
- LUCKEY, GEORGE J. Supplementary reading. (Circ. inf. 4, 1884, p. 166.)
- Methods of teaching reading. (An. rep. 1883-84, p. xcii.)
- WILSON, J. ORMOND. (Circ. inf. 4, 1884, p. 173.)
- WINSOR, JUSTIN. Reading in popular libraries. (Pub. libs. 1876, pp. 431-433.)
- Reading circles.** [In general.] ALLEN, JEROME. Reading circles for teachers (followed by discussion). (Circ. inf. 2, 1886, pp. 93-96.)
- National teachers' reading circle. Meeting at Saratoga July, 1885. (An. rep. 1884-85, p. 324.)
- Origin of. (An. rep. 1886-87, p. 405.)
- SKINNER, HUBERT M. Growth and benefit of reading circles. (Circ. inf. 2, 1886, pp. 152-160.)
- State teachers' reading circles, discussed. (An. rep. 1887-88, pp. 1050-1074.)
- Reading circles.** [By States.] ALABAMA. (An. rep. 1886-87, p. 408; 1887-88, p. 1050.)
- ARKANSAS. (An. rep. 1886-87, p. 409.)
- CALIFORNIA. (An. rep. 1886-87, p. 410; 1887-88, p. 1050.)
- CONNECTICUT. (An. rep. 1886-87, p. 411; 1887-88, p. 1051.)



- Reading circles.** [By States.] **DAKOTA.** (An. rep. 1886-87, p. 413.)  
 — **FLORIDA.** (An. rep. 1887-88, p. 1051.)  
 — **GEORGIA.** (An. rep. 1887-88, p. 1052.)  
 — **ILLINOIS.** (An. rep. 1886-87, p. 416; 1887-88, p. 1052.)  
 — **INDIANA.** (An. rep. 1885-86, p. 28; 1886-87, p. 417; 1887-88, pp. 421, 437, 1056.)  
 — **IOWA.** (An. rep. 1886-87, p. 418; 1887-88, p. 1063.)  
 — **KANSAS.** (An. rep. 1886-87, p. 419; 1887-88, pp. 423, 1065.)  
 — **KENTUCKY.** (An. rep. 1886-87, p. 419.)  
 — **MAINE.** (An. rep. 1886-87, p. 421.)  
 — **MASSACHUSETTS.** (An. rep. 1886-87, pp. 424, 425.)  
 — **MICHIGAN.** (An. rep. 1885-86, p. 31; 1886-87, p. 427.)  
 — **MINNESOTA.** (An. rep. 1886-87, p. 427; 1887-88, p. 1067.)  
 — **MISSISSIPPI.** (An. rep. 1887-88, p. 1068.)  
 — **MISSOURI.** (An. rep. 1886-87, pp. 429-430.)  
 — **NEBRASKA.** (An. rep. 1886-87, p. 431.)  
 — **NEW JERSEY.** (An. rep. 1886-87, p. 433; 1887-88, pp. 126 and 437.)  
 — **NEW YORK.** (An. rep. 1886-87, p. 437; 1887-88, p. 1069.)  
 — **NORTH CAROLINA.** (An. rep. 1886-87, p. 438; 1887-88, p. 1069.)  
 — **OHIO.** (An. rep. 1886-87, p. 439; 1887-88, p. 1069.)  
 — **OREGON.** (An. rep. 1887-88, p. 1071.)  
 — **PENNSYLVANIA.** (An. rep. 1886-87, p. 441.)  
 — **RHODE ISLAND.** (An. rep. 1886-87, p. 443; 1887-88, p. 1071.)  
 — **SOUTH CAROLINA.** (An. rep. 1886-87, p. 444; 1887-88, p. 1074.)  
 — **TENNESSEE.** (An. rep. 1884-85, p. 258; 1886-87, p. 445.)  
 — **TEXAS.** (An. rep. 1886-87, p. 446.)  
 — **VERMONT.** (An. rep. 1886-87, p. 446.)  
 — **VIRGINIA.** (An. rep. 1886-87, p. 448.)  
 — **WASHINGTON.** (An. rep. 1886-87, p. 449.)  
 — **WEST VIRGINIA.** (An. rep. 1886-87, p. 449; 1887-88, p. 1074.)  
 — **WISCONSIN.** (An. rep. 1886-87, p. 450; 1887-88, p. 1074.)
- Real-schools in Prussia.** (Spec. rep. on D. C. for 1869, p. 628.)
- Reay, Lord.** Inaugural address before international conference on education, London, 1884. (Spec. rep. art and industry, 1885, p. 811.)
- Recess.** **ELLIS, S. A.** No recess. (Discussion.) (Circ. inf. 4, 1884, p. 66.)  
 — **HARRIS, WILLIAM T.** (Discussion.) (Circ. inf. 4, 1884, p. 59.)  
 — or no recess. (An. rep. 1883-84, p. xvi; 1884-85, p. xxiv.)
- Reed, Charles.** Address on elementary education in London. (Circ. inf. 2, 1878, p. 11.)
- Reformatory education.** [In general.] Reformatory instruction. (An. rep. 1882-83, p. cci.)  
 — Reform schools. (An. rep. 1879, pp. clxxi-clxxvii; 1880, p. clxxxi; 1881, p. ccxxii; 1886-87, p. 856.)  
 — State laws relating to children. (An. rep. 1876, p. clxxix.)  
 — Statistical tables. (An. rep. 1870, pp. 543-547; 1871, p. 691; 1872, pp. 918-920; 1873, pp. 800-804; 1874, pp. 820-825; 1875, pp. 952-957; 1876, pp. 868-874; 1878, pp. 610-622; 1879, pp. 634-645; 1880, pp. 756-767; 1881, pp. 686-699; 1882-83, pp. 716-729; 1883-84, pp. 756-769; 1885-86, pp. 646-649; 1886-87, pp. 863-867; 1887-88, pp. 980-987.)
- Reformatory education.** [By States.] **CALIFORNIA.** (An. rep. 1886-87, p. 858.)  
 — **COLORADO.** (An. rep. 1886-87, p. 858; 1887-88, p. 978.)  
 — **CONNECTICUT.** (An. rep. 1875, p. 57; 1877, p. 39; 1878, p. 32; 1879, p. 31; 1880, p. 43; 1881, p. 31; 1882-83, p. 34; 1883-84, p. 41; 1884-85, p. 41; 1886-87, p. 859; 1887-88, p. 978.)  
 — **DISTRICT OF COLUMBIA.** (An. rep. 1872, p. 397; 1874, p. 479; 1878, p. 277; 1879, p. 275; 1880, p. 366; 1881, p. 298; 1882-83, p. 291; 1883-84, p. 296; 1884-85, p. 298.)  
 — **FLORIDA.** (An. rep. 1883-84, p. 52; 1884-85, p. 50.)  
 — **ILLINOIS.** (An. rep. 1872, p. 103; 1878, p. 57; 1879, p. 53; 1880, p. 76; 1881, p. 54; 1882-83, p. 58; 1883-84, p. 68; 1884-85, p. 66; 1886-87, p. 859.)  
 — **INDIANA.** (An. rep. 1870, p. 125; 1871, p. 158; 1875, p. 110; 1877, p. 59; 1879, p. 62; 1880, p. 85; 1881, p. 63; 1882-83, p. 68; 1883-84, p. 80; 1886-87, p. 859.)  
 — **IOWA.** (An. rep. 1872, p. 117; 1874, pp. 119, 120; 1875, p. 123; 1877, p. 68; 1879, p. 69; 1880, p. 96; 1881, p. 72; 1882-83, p. 76; 1883-84, p. 88; 1884-85, p. 85.)  
 — **KANSAS.** (An. rep. 1873, p. 120; 1880, p. 105; 1881, p. 80; 1882-83, p. 83; 1883-84, p. 95; 1884-85, p. 92.)  
 — **KENTUCKY.** (An. rep. 1877, p. 80; 1878, p. 85; 1880, p. 115; 1881, p. 85; 1882-83, p. 89; 1883-84, p. 103; 1884-85, p. 99; 1886-87, p. 860.)  
 — **LOUISIANA.** (An. rep. 1887-88, p. 978.)  
 — **MAINE.** (An. rep. 1872, p. 145; 1877, p. 92; 1878, p. 95; 1879, p. 93; 1880, p. 131; 1882-83, p. 98; 1883-84, p. 116; 1884-85, p. 112; 1886-87, p. 860.)



- Reformatory education.** [By States.] **MARYLAND.** (An. rep. 1878, p. 103; 1879, p. 100; 1881, p. 103; 1882-83, p. 106; 1883-84, p. 125; 1884-85, p. 123; 1886-87, p. 860.)
- **MASSACHUSETTS.** (An. rep. 1875, p. 202; 1876, p. 196; 1877, p. 115; 1878, p. 117; 1879, p. 114; 1880, p. 155; 1881, p. 118; 1882-83, p. 121; 1886-87, p. 860; 1887-88, p. 978.)
- **MICHIGAN.** (An. rep. 1870, p. 187; 1871, p. 240; 1874, p. 216; 1875, p. 218; 1876, p. 208; 1877, p. 127; 1878, p. 127; 1879, p. 125; 1880, p. 167; 1881, p. 129; 1882-83, p. 132; 1883-84, p. 149; 1884-85, p. 146; 1886-87, p. 861; 1887-88, p. 978.)
- **MINNESOTA.** (An. rep. 1870, p. 196; 1872, p. 191; 1880, p. 176; 1881, p. 136; 1882-83, p. 138; 1883-84, p. 155; 1884-85, p. 153.)
- **MISSOURI.** (An. rep. 1873, p. 230; 1874, p. 247; 1878, p. 147; 1880, p. 192; 1881, p. 150.)
- **NEBRASKA.** (An. rep. 1880, p. 199; 1881, p. 155; 1882-83, p. 157; 1883-84, p. 174; 1884-85, p. 171; 1886-87, p. 861.)
- **NEW HAMPSHIRE.** (An. rep. 1872, p. 222; 1877, p. 164; 1878, p. 162; 1879, p. 157; 1880, p. 209; 1881, p. 163; 1882-83, p. 165; 1883-84, p. 182; 1884-85, p. 181; 1886-87, p. 862.)
- **NEW JERSEY.** (An. rep. 1875, p. 284; 1876, p. 271; 1877, p. 173; 1878, p. 170; 1879, p. 164; 1880, p. 217; 1881, p. 171; 1882-83, p. 172; 1883-84, p. 189; 1884-85, p. 190; 1886-87, p. 862; 1887-88, p. 978.)
- **NEW YORK.** (An. rep. 1877, p. 184; 1878, p. 181; 1879, p. 178; 1880, p. 232; 1881, p. 189; 1883-84, p. 203; 1884-85, p. 205; 1886-87, p. 862; 1887-88, p. 978.)
- **OHIO.** (An. rep. 1872, p. 278; 1873, p. 328; 1877, p. 205; 1878, p. 198; 1879, p. 192; 1880, p. 255; 1881, p. 208; 1882-83, p. 209; 1883-84, p. 220; 1884-85, p. 221; 1886-87, p. 863; 1887-88, p. 978.)
- **OREGON.** (An. rep. 1875, p. 351; 1882-83, p. 215; 1883-84, p. 226.)
- **PENNSYLVANIA.** (An. rep. 1872, p. 298; 1876, p. 347; 1877, p. 221; 1878, p. 213; 1879, p. 208; 1880, p. 278; 1881, p. 225; 1882-83, p. 229; 1883-84, p. 240; 1884-85, p. 237; 1886-87, p. 863; 1887-88, p. 979.)
- **RHODE ISLAND.** (An. rep. 1875, p. 383; 1876, p. 359; 1877, p. 229; 1878, p. 220; 1879, p. 216; 1880, p. 288; 1881, p. 233; 1882-83, p. 235; 1883-84, p. 247; 1884-85, p. 245; 1887-88, p. 979.)
- **VERMONT.** (An. rep. 1872, p. 337; 1875, p. 719; 1876, p. 397; 1877, p. 253; 1878, p. 242; 1879, p. 240; 1880, p. 322; 1881, p. 255; 1882-83, p. 257; 1883-84, p. 270.)
- **WISCONSIN.** (An. rep. 1877, p. 273; 1878, p. 263; 1879, p. 261; 1880, p. 348; 1881, p. 275; 1882-83, p. 276; 1883-84, p. 240; 1884-85, p. 285; 1886-87, p. 863; 1887-88, p. 979.)
- Relation of the university to the common school.** **JOHNSTON, W. P.** (Spec. rep. N. O. exp. 1884-85, pp. 894-899.)
- Respect for authority developed in the school-room.** **BROTHER JUSTIN.** (Spec. rep. N. O. exp. 1884-85, pp. 685-693.)
- Rhode Island, Education in.** (An. rep. 1870, pp. 282-284; 1871, pp. 335-339; 1872, pp. 304-311; 1873, pp. 353-359; 1874, pp. 376-386; 1875, pp. 373-385; 1876, pp. 351-360; 1877, pp. 224-231; 1878, pp. 215-221; 1879, pp. 211-217; 1880, pp. 282-289; 1881, pp. 229-234; 1882-83, pp. 231-235; 1883-84, pp. 242-248; 1884-85, pp. 239-246.) *For further information, see under State school systems (by States).*
- Richardson, William G.** Latin pronunciation. (An. rep. 1876, pp. 484-497.)
- Richmond college.** By H. H. HARRIS. (Circ. inf. 1, 1888, p. 271.)
- Rickoff, Andrew J.** School economy. (Spec. rep. N. O. exp. 1884-85, pp. 825-829.)
- Student's work at the National Centennial exhibition, 1876. (Circ. inf. 8, 1875.)
- The examination and certification of teachers. (Circ. inf. 3, 1887, p. 46.)
- Ripon college (Wis.).** (Circ. inf. 1, 1889, p. 55.)
- Roanoke college (Va.).** By HERBERT B. ADAMS. (Circ. inf. 1, 1888, p. 264.)
- Robert college at Constantinople.** (An. rep. 1871, p. 506.)
- Robinson, Otis H.** College library administration. (Pub. libs. 1876, pp. 505-525.)
- Indexing periodical and miscellaneous literature. (Pub. libs. 1876, pp. 663-672.)
- Rochester university library, administration and use. (Circ. inf. 1, 1880, p. 15.)
- Titles of books. (Pub. libs. 1876, pp. 715-726.)
- *See also* WINSOR, JUSTIN, *and*.
- Rockwell, Julius E.** Teaching, practice, and literature of shorthand. pp. 184. [Second and enlarged edition.] (Circ. inf. 2, 1884.)
- Rote, W. C.** Rise and progress of public education in Texas. (Spec. rep. N. O. exp. 1884-85, pp. 864-878.)
- Roumania, Education in.** (An. rep. 1874, p. cxli; 1875, p. cxxxiii; 1882-83, p. cxxxix.)
- Round Hill school, Northampton, Mass.** Course of study in 1826. (An. rep. 1880, p. cxv.)
- Ruffner, Wm. H.** Congress and the education of the people. (Circ. inf. 2, 1880, p. 73.)
- Rural schools.** (An. rep. 1880, p. xvii; Spec. rep. N. O. exp. 1884-85, pp. 358-365.)

- Rural schools. HOLCOMBE, JOHN W. A system of grading for country schools. (Circ. inf. 3, 1887, p. 138.)
- SMITH, ANNIE TOLMAN. Rural schools: Progress in the past; means of improvement in the future. pp. 90. (Circ. inf. 6, 1884.)
- Supervision of. (An. rep. 1884-85, p. 1.)
- Russell, J. B. Department of Agriculture library. (Pub. libs. 1876, p. 272.)
- Russia, Education in. (An. rep. 1871, pp. 475-476; 1872, pp. 515-519; 1874, p. cxlii; 1875, p. cxxxiii; 1876, p. exci; 1877, p. clxvii; 1878, p. clxix; 1879, p. excvii; 1880, p. cccxiv; 1881, p. cclxii; 1882-83, p. cccxxxix; 1883-84, p. cccxxx.)
- LAVELEYE, EMILE DE. Progress of education in Russia. (Circ. inf. 3, 1875, p. 29.)
- Sabin, Henry. County institutes. (Circ. inf. 2, 1889, p. 79.)
- Saint Louis (Missouri) City normal school. (An. rep. 1863, p. 809.)
- Saint Louis public libraries. BAILEY, JOHN J. (Pub. libs. 1876, p. 977.)
- Salem, Mass., State normal school. (An. rep. 1863, p. 697.)
- Salve, M. de. Education in Turkey. (Circ. inf. 3, 1875, p. 51.)
- San Francisco. WHITAKER, A. E. Public libraries of San Francisco and the Pacific coast. (Pub. libs. 1876, p. 991.)
- San Francisco City training school. (An. rep. 1863, p. 697.)
- Sanitation and education. (An. rep. 1880, p. cclxvi.)
- Savings banks. See School savings banks.
- Saxe-Weimar. (An. rep. 1884-85, p. cclxxiv.)
- Saxony, Education in. (An. rep. 1875, p. cxxxiv; 1876, p. clxxxviii; 1877, p. clxi; 1879, p. exci; 1882-83, p. cccx; 1883-84, p. cccxi; 1884-85, p. cclxxii.)
- School age in the United States. (An. rep. 1879, p. xvi.)
- School architecture. BILLINGS, J. S. Heating and ventilation of a school building. (Circ. inf. 2, 1882, p. 11.)
- CLARK, T. M. Rural school architecture with illustrations. pp. 106. (Circ. inf. 4, 1880.)
- DEARNESS, JOHN. School architecture in Ontario, Canada. (Spec. rep. N. O. exp. 1884-85, pp. 646-649.)
- JOSSE, EDOUARD L. C. Plan and arrangement of primary schools. (With v. plates.) (Spec. rep. N. O. exp. 1884-85, pp. 675-681.)
- School architecture. Plans for union and graded schools. (An. rep. 1868, pp. 523-648.)
- School architecture, Report on, and plans for graded schools. [Reprinted from an. rep. 1868 except title page.] pp. 136. (Misc. pubs. 1870.)
- School attendance. (An. rep. 1885-86, p. 40.)
- Compulsory school attendance in Prussia. (Spec. rep. on D. C. for 1869, p. 617.)
- In cities. (An. rep. 1881, p. cix.)
- See also Compulsory education.
- School buildings. BILLINGS, J. S., and others. Report of the commission on school buildings in the District of Columbia. (Circ. inf. 2, 1882, p. 107.)
- School discipline. ORCUTT, HIRAM. Discipline of the school. pp. 15. (Reprint of circ. of inf. Nov., 1871.) (Misc. pubs.)
- ORCUTT, HIRAM. Methods of school discipline. pp. 14. (Circ. inf. Nov., 1871.)
- School furniture, apparatus, etc. List of patented articles. (An. rep. 1872, pp. 927-928; 1873, p. 850; 1874, p. 914; 1875, p. 997; 1876, p. 921; 1877, p. 635; 1878, pp. 720-721; 1879, pp. 745-748; 1880, pp. 903-906; 1881, pp. 829-831; 1882-83, pp. 861-862; 1883-84, pp. 931-935.)
- School hygiene. (An. rep. 1884-85, p. clvi.)
- Hygiene in the public schools. (An. rep. 1877, p. lix.)
- See also Hygiene, School.
- School lands and land grants. Appropriation of net income of sales of public land for educational purposes. (An. rep. 1874, p. cxxxi.)
- Table of estimated school lands in each territory. (An. rep. 1870, p. 336.)
- School legislation. (An. rep. 1884-85, p. xxvi.)
- SMITH, LYNDON A. Recent school law decisions. pp. 82. (Circ. inf. 4, 1883.)
- Summary of constitutional and legal provisions relating to education in the several States and Territories. (An. rep. 1885-86, pp. 47-214.)
- School management. Powers and duties of school officers and teachers. Papers by A. P. MARBLE and J. M. GREENE. (Circ. inf. 3, 1887, pp. 80-96.)
- RICKOFF, ANDREW J. School economy. (Spec. rep. N. O. exp. 1884-85, pp. 825-829.)
- School officers. Chief State school officers, List of, by States. (An. rep. 1885-86, p. 46.)
- Supervising school officers, how elected. (An. rep. 1878, p. xxxvii.)
- School programmes, ELIOT, CHARLES W. Can school programmes be shortened and enriched? (An. rep. 1886-87, p. 1005, and circ. inf. 6, 1888, p. 101.)



- School programmes.** HARRIS, WILLIAM T. School programmes. (Circ. inf. 6, 1888, p. 115.)
- School property, Exemption of, from taxation.** (An. rep. 1880, p. cclv.)
- School-room diseases.** VIRCHOW, R. (Circ. inf. Aug., 1870, pp. 19-29.)
- School savings banks.** For schools in Nebraska. (An. rep. 1885-86, p. 32.)
- Importance in plan of. (An. rep. 1886-87, pp. 225-227.)
- In Germany. (An. rep. 1878, pp. clxi-clxii.)
- In Wisconsin. Savings banks in schools. Introduction of, advocated. (An. rep. 1877, p. 263.)
- See Belgium, Fifty years of freedom in.
- School statistics.** In different countries. A. FICKER. (Circ. inf. Aug., 1870, p. 16.)
- Plan for publishing. GEORGE J. LUCKEY. (Discussion.) (Circ. inf. 1, 1874, p. 13.)
- Uniformity of. ANDREW McMILLAN. (Circ. inf. 3, 1881, p. 17.)
- Of the United States. (Spec. rep. on D. C. for 1869, p. 401.)
- Population of school age in and out of school; adult population able and not able to read and write, by States, census 1860. (Circ. inf. Aug., 1870, p. 10.)
- School supervision.** (An. rep. 1870, pp. 434-437; 1881, p. lviii.)
- AKERS, JOHN W. City superintendence. (Circ. inf. 2, 1886, pp. 160-167.)
- BALLIET, T. M. The work of the city superintendent. (Circ. inf. 2, 1889, p. 182.)
- BRADLEY, JOHN E. The superintendent and the teacher. (Circ. inf. 6, 1888, p. 135.)
- City superintendence, statistics. (An. rep. 1884-85, p. cxvi.)
- Development of supervision in educational systems. (An. rep. 1877, p. xl.)
- EASTON, WARREN. The best system of State school supervision, *with remarks* by RICHARD EDWARDS, SOLOMON PALMER, JOHN L. BUCHANAN, JOHN W. HOLCOMBE, W. H. ANDERSON. (Circ. inf. 3, 1887, pp. 156-173.)
- EDWARDS, C. J. How and by whom fitness of pupils for promotion is determined. (Circ. inf. 3, 1883, p. 73.)
- Examination and inspection of schools. (An. rep. 1879, p. xxxiii.)
- GREENWOOD, J. M. Qualifications of principals. (Circ. inf. 2, 1889, p. 209.)
- HIGBEE, E. E. Best system of county and city supervision. (Circ. inf. 3, 1887, p. 102.)
- How a State superintendent can best advance popular education. (Circ. inf. 4, 1884, p. 76.)
- HOLCOMBE, JOHN W. Supervision of country schools. (Circ. inf. 4, 1884, p. 13.)
- HOWLAND, GEORGE. The school principal. (Circ. inf. 2, 1889, p. 195.)
- ILLINOIS. County supervision. (An. rep. 1873, p. 82.)
- KIEHLE, D. L. Duties of county superintendents. (Circ. inf. 2, 1886, pp. 89-93.)
- MINNESOTA. (An. rep. 1876, p. 213.)
- School inspection. (An. rep. 1883-84, p. xxxi.)
- School superintendence. (An. rep. 1873, p. cxvii.)
- Supervision of country schools. (An. rep. 1884-85, p. 1.)
- Territorial. (An. rep. 1879, p. ccxxvi.)
- WINSHIP, A. E. Relation of the superintendent and teacher to the school. (Circ. inf. 6, 1888, p. 143.)
- See also State school systems.
- School systems.** See State school systems; see also City school systems.
- School taxation.** Importance of local school tax. (An. rep. 1884-85, p. xlvi.)
- Taxation for school purposes, by States. (An. rep. 1-79, pp. ccxxxiii-ccxxvi.)
- Schools of science.** See Scientific and technical schools; see also Scientific and technical education.
- Schwartz, Jacob.** New York apprentices' library catalogue. (Pub. libs. 1876, p. 657.)
- Science and education.** (An. rep. 1874, p. ix.)
- Science teaching.** England. HANCE, EDWARD M. Experimental science instruction in Liverpool public elementary schools. (Spec. rep. N. O. exp. 1-84-85, pp. 396-403.)
- Scientific and industrial education.** WHITE, A. D. (Circ. inf. 1, 1874, p. 27.)
- Scientific and technical education.** [By States.] (An. rep. 1878, p. civ; 1882-83, p. cxlvi.)
- ALABAMA. (An. rep. 1873, p. 8; 1874, p. 9; 1875, p. 12; 1876, p. 11; 1877, p. 7; 1878, p. 8; 1879, p. 8; 1880, p. 10; 1881, p. 7; 1882-83, p. 8; 1883-84, p. 9; 1884-85, p. 9.)
- ARKANSAS. (An. rep. 1872, p. 12; 1877, p. 11; 1878, p. 13; 1879, p. 12; 1880, p. 16; 1881, p. 11; 1882-83, p. 13; 1883-84, p. 15; 1884-85, p. 15.)
- CALIFORNIA. (An. rep. 1876, p. 32; 1877, p. 18; 1878, p. 20; 1879, p. 18; 1880, p. 25; 1881, p. 17; 1882-83, p. 19; 1883-84, p. 23; 1884-85, p. 23.)



- Scientific and technical education.** [By States.] **COLORADO.** (An. rep. 1874, p. 465; 1875, p. 475; 1876, p. 40; 1877, p. 23; 1878, p. 25; 1879, p. 24; 1880, p. 33; 1881, p. 23; 1882-83, p. 25; 1883-84, p. 31; 1884-85, p. 30.)
- **CONNECTICUT.** (An. rep. 1874, p. 49; 1875, p. 56; 1876, p. 50; 1877, p. 29; 1878, p. 31; 1879, p. 30; 1880, p. 42; 1881, p. 30; 1882-83, p. 33; 1883-84, p. 40; 1884-85, p. 39; 1886-87, p. 720.)
- **DAKOTA.** (An. rep. 1884-85, p. 293; 1886-87, p. 720.)
- **DELAWARE.** (An. rep. 1874, p. 59; 1875, p. 63; 1876, p. 59; 1877, p. 34; 1878, p. 37; 1879, p. 36; 1880, p. 50; 1881, p. 37; 1882-83, p. 39; 1883-84, p. 47; 1884-85, p. 45.)
- **DISTRICT OF COLUMBIA.** (An. rep. 1874, p. 478; 1875, p. 492; 1878, p. 276; 1879, p. 274; 1880, p. 365; 1881, p. 287; 1882-83, p. 290; 1883-84, p. 296; 1884-85, p. 296.)
- **FLORIDA.** (An. rep. 1872, p. 60; 1873, p. 68; 1874, p. 67; 1875, p. 85; 1877, p. 37; 1878, p. 40; 1880, p. 56; 1881, p. 40; 1882-83, p. 42; 1883-84, p. 51; 1884-85, p. 49.)
- **GEORGIA.** (An. rep. 1874, p. 75; 1875, p. 76; 1876, p. 72; 1877, p. 41; 1878, p. 47; 1879, p. 43; 1880, p. 64; 1881, p. 45; 1882-83, p. 47; 1883-84, p. 57; 1884-85, p. 55.)
- **ILLINOIS.** (An. rep. 1870, p. 115; 1871, pp. 143, 146; 1872, pp. 83, 99; 1874, p. 92; 1875, p. 91; 1876, p. 87; 1877, p. 50; 1878, p. 55; 1879, p. 52; 1880, p. 74; 1881, p. 53; 1882-83, p. 56; 1883-84, p. 66; 1884-85, p. 64.)
- **INDIANA.** (An. rep. 1874, p. 107; 1875, p. 108; 1876, p. 105; 1877, p. 58; 1878, p. 65; 1879, p. 60; 1880, p. 84; 1881, p. 62; 1882-83, p. 66; 1883-84, p. 78; 1884-85, p. 74; 1886-87, p. 720.)
- **IOWA.** (An. rep. 1874, p. 118; 1875, p. 120; 1876, p. 117; 1877, p. 67; 1878, p. 71; 1879, p. 68; 1880, p. 94; 1881, p. 71; 1882-83, p. 75; 1883-84, p. 87; 1884-85, p. 83.)
- **KANSAS.** (An. rep. 1870, p. 142; 1871, p. 173; 1872, p. 122; 1873, p. 119; 1874, p. 128; 1875, p. 133; 1876, p. 129; 1877, p. 72; 1878, p. 79; 1879, p. 75; 1880, p. 104; 1881, p. 79; 1882-83, p. 82; 1883-84, p. 94; 1884-85, p. 91.)
- **KENTUCKY.** (An. rep. 1874, p. 140; 1875, p. 145; 1876, p. 140; 1877, p. 78; 1878, p. 84; 1879, p. 81; 1880, p. 113; 1881, p. 84; 1882-83, p. 87; 1883-84, p. 101; 1884-85, p. 97.)
- **LOUISIANA.** (An. rep. 1874, p. 152; 1875, p. 156; 1876, p. 151; 1877, p. 85; 1878, p. 89; 1879, p. 87; 1880, p. 122; 1881, p. 89; 1882-83, p. 93; 1883-84, p. 108; 1884-85, p. 105.)
- **MAINE.** (An. rep. 1874, p. 164; 1875, p. 165; 1876, p. 161; 1877, p. 91; 1878, p. 94; 1879, p. 93; 1880, p. 130; 1881, p. 94; 1882-83, p. 98; 1883-84, p. 116; 1884-85, p. 112.)
- **MARYLAND.** (An. rep. 1874, p. 175; 1875, p. 178; 1876, p. 174; 1877, p. 99; 1878, p. 101; 1879, p. 99; 1880, p. 137; 1881, p. 101; 1882-83, p. 104; 1883-84, p. 123; 1884-85, p. 120.)
- **MASSACHUSETTS.** (An. rep. 1871, p. 236; 1872, p. 163; 1873, p. 182; 1874, p. 195; 1875, p. 197; 1876, p. 191; 1877, p. 112; 1878, p. 113; 1879, p. 111; 1880, p. 151; 1881, p. 114; 1882-83, p. 118; 1883-84, p. 137; 1884-85, p. 134; 1886-87, p. 721.)
- **MICHIGAN.** (An. rep. 1870, p. 186; 1871, p. 240; 1873, p. 198; 1874, p. 214; 1875, p. 217; 1876, p. 207; 1877, p. 126; 1878, p. 125; 1879, p. 123; 1880, p. 165; 1881, p. 128; 1882-83, p. 130; 1883-84, p. 148; 1884-85, p. 145; 1886-87, p. 721.)
- **MINNESOTA.** (An. rep. 1873, p. 198; 1874, p. 225; 1875, p. 229; 1876, p. 218; 1877, p. 136; 1878, p. 133; 1879, p. 130; 1880, p. 175; 1881, p. 135; 1882-83, p. 138; 1883-84, p. 152.)
- **MISSISSIPPI.** (An. rep. 1874, p. 233; 1875, p. 237; 1876, p. 225; 1877, p. 141; 1878, p. 138; 1879, p. 135; 1880, p. 182; 1881, p. 141; 1882-83, p. 143; 1883-84, p. 160; 1884-85, p. 156; 1886-87, p. 721.)
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- **NEBRASKA.** (An. rep. 1874, p. 257; 1875, p. 260; 1876, p. 245; 1877, p. 155; 1878, p. 152; 1879, p. 148; 1880, p. 198; 1881, p. 154; 1882-83, p. 156; 1883-84, p. 173; 1884-85, p. 170.)
- **NEVADA.** (An. rep. 1879, p. 151; 1884-85, p. 175.)
- **NEW HAMPSHIRE.** (An. rep. 1870, p. 217; 1873, p. 252; 1874, p. 271; 1875, p. 272; 1876, p. 255; 1877, p. 164; 1878, p. 161; 1879, p. 156; 1880, p. 208; 1881, p. 162; 1882-83, p. 164; 1883-84, p. 182; 1884-85, p. 180; 1886-87, p. 721.)
- **NEW JERSEY.** (An. rep. 1871, pp. 285, 289; 1872, p. 228; 1873, p. 266; 1874, p. 284; 1875, p. 283; 1876, p. 270; 1877, p. 172; 1878, p. 170; 1879, p. 163; 1880, p. 216; 1881, p. 170; 1882-83, p. 172; 1883-84, p. 189; 1884-85, p. 189; 1886-87, p. 722.)
- **NEW YORK.** (An. rep. 1873, p. 290; 1874, p. 306; 1875, p. 305; 1876, p. 286; 1877, p. 181; 1878, p. 179; 1879, p. 174; 1880, p. 229; 1881, p. 183; 1882-83, p. 184; 1883-84, p. 200; 1884-85, p. 201; 1886-87, p. 722.)

- Scientific and technical education.** [By States.] **NORTH CAROLINA.** (An. rep. 1874, p. 322; 1875, p. 324; 1876, p. 302; 1877, p. 193; 1878, p. 188; 1879, p. 184; 1880, p. 241; 1881, p. 197; 1882-83, p. 196; 1883-84, p. 209; 1884-85, p. 212.)
- **OHIO.** (An. rep. 1873, p. 327; 1874, p. 341; 1875, p. 339; 1876, p. 317; 1877, p. 204; 1878, p. 197; 1879, p. 191; 1880, p. 253; 1881, p. 206; 1882-83, p. 207; 1883-84, p. 219; 1884-85, p. 219; 1886-87, p. 722.)
- **OREGON.** (An. rep. 1874, p. 353; 1875, p. 350; 1876, p. 327; 1877, p. 210; 1878, p. 203; 1879, p. 196; 1880, p. 263; 1881, p. 213; 1882-83, p. 215; 1883-84, p. 225; 1884-85, p. 225.)
- **PENNSYLVANIA.** (An. rep. 1873, p. 346; 1874, p. 368; 1875, p. 365; 1876, p. 343; 1877, p. 219; 1878, p. 210; 1879, p. 205; 1880, p. 275; 1881, p. 221; 1882-83, p. 225; 1883-84, p. 237; 1884-85, p. 235; 1886-87, p. 723.)
- **RHODE ISLAND.** (An. rep. 1874, p. 384; 1876, p. 358; 1877, p. 229; 1878, p. 219; 1879, p. 215; 1880, p. 287; 1881, p. 232; 1882-83, p. 234; 1883-84, p. 246; 1884-85, p. 244.)
- **SOUTH CAROLINA.** (An. rep. 1874, p. 393; 1875, p. 391; 1876, p. 367; 1877, p. 235; 1878, p. 225; 1879, p. 221; 1880, p. 296; 1881, p. 239; 1882-83, p. 239; 1883-84, p. 253; 1884-85, p. 251; 1886-87, p. 723.)
- **TENNESSEE.** (An. rep. 1873, p. 376; 1874, p. 404; 1875, p. 402; 1876, p. 379; 1877, p. 242; 1878, p. 230; 1879, p. 227; 1880, p. 304; 1881, p. 244; 1882-83, p. 245; 1883-84, p. 258; 1884-85, p. 257.)
- **TEXAS.** (An. rep. 1874, p. 414; 1875, p. 412; 1876, p. 388; 1877, p. 247; 1878, p. 236; 1879, p. 234; 1880, p. 314; 1881, p. 249; 1882-83, p. 251; 1883-84, p. 265; 1884-85, p. 262.)
- **UTAH TERRITORY.** (An. rep. 1884-85, p. 310.)
- **VERMONT.** (An. rep. 1873, p. 389; 1874, p. 421; 1875, p. 418; 1876, p. 396; 1877, p. 253; 1878, p. 241; 1879, p. 240; 1880, p. 321; 1881, p. 254; 1882-83, p. 256; 1883-84, p. 269; 1884-85, p. 267; 1886-87, p. 723.)
- **VIRGINIA.** (An. rep. 1870, p. 294; 1873, p. 400; 1874, p. 433; 1875, p. 432; 1876, p. 405; 1877, p. 259; 1878, p. 248; 1879, p. 247; 1880, p. 330; 1881, p. 261; 1882-83, p. 262; 1883-84, p. 275; 1884-85, p. 274; 1886-87, p. 723.)
- **WASHINGTON TERRITORY.** (An. rep. 1884-85, p. 314.)
- **WEST VIRGINIA.** (An. rep. 1873, p. 411; 1874, p. 445; 1875, p. 446; 1876, p. 415; 1877, p. 264; 1878, p. 254; 1879, p. 253; 1880, p. 339; 1881, p. 267; 1882-83, p. 267; 1883-84, p. 280; 1884-85, p. 278.)
- **WISCONSIN.** (An. rep. 1874, p. 455; 1875, p. 459; 1876, p. 426; 1877, p. 272; 1878, p. 262; 1879, p. 261; 1880, p. 347; 1881, p. 274; 1882-83, p. 274; 1883-84, p. 285; 1884-85, p. 284.)
- *See also Technical education.*
- Scientific and technical schools.** **GILMAN, D. C.** Report on national schools of science. [With preliminary list of local publications pertaining to the national grant.] (An. rep. 1871, pp. 427-444.)
- National and state legislation respecting colleges of agriculture and the mechanic arts; with historical sketches. (An. rep. 1868, pp. 131-310.)
- Recent history of agricultural colleges. (An. rep. 1880, p. cxl.)
- Recent history of schools of science not endowed by the national land grant. (An. rep. 1880, p. cxlvi.)
- Scientific instruction. (An. rep. 1881, pp. clxvi-clxxxii; 1883-84, p. clxi; 1884-85, p. cxvii.)
- Scientific instruction in several foreign countries. (An. rep. 1876, p. cii.)
- State colleges of agriculture and the mechanic arts. (An. rep. 1879, pp. cxx-cxxix.)
- Statistical tables. (An. rep. 1870, p. 528; 1871, pp. 654-655; 1872, pp. 802-809; 1873, pp. 684-691; 1874, pp. 703-711; 1875, pp. 752-757; 1876, pp. 729-737; 1877, pp. 535-543; 1878, pp. 548-557; 1879, pp. 262-573; 1880, pp. 677-689; 1881, pp. 608-613; 1882-83, pp. 632-643; 1883-84, pp. 661-673; 1884-85, pp. 622-636; 1885-86, pp. 520-533.)
- Statistics, comparative. (An. rep. 1886-87, pp. 730-733; 1887-88, pp. 750-753.)
- Statistics, with comments. (An. rep. 1886-87, pp. 706-733; 1887-88, pp. 721-753.)
- Scientific libraries.** *See Libraries, scientific.*
- Scientific studies and courses of study.** **RUNKLE, J. D.** (Discussion.) (Circ. inf. 2, 1879, p. 183.)
- Scotland.** Attendance and studies in the grammar and public burgh schools. (Spec. rep. on D. C. for 1879, pp. 716-720.)
- Secondary schools, Inspection of. (An. rep. 1887-88, p. 1024.)
- Technical education act, Operations of. (An. rep. 1887-88, p. 1023.)
- Scudder, Horace E.** Public libraries a hundred years ago. (Pub. libs. 1876, pp. 1-37.)
- Seaver, Edwin P.** Mechanic arts high schools. (Circ. inf. 2, 1889, p. 160.)



- Secondary instruction.** [In general.] (An. rep. 1881, p. cxxxviii; 1882-83, p. cxv; 1883-84, p. cxxxi.)
- FEARING, CLARENCE W. How can instruction in public high schools be made more efficient? (Spec. rep. N. O. exp. 1884-85, pp. 434-436.)
- HAMMOND, CHARLES. New England academies and classical schools. (An. rep. 1868, pp. 403-429.)
- High schools for girls in Sweden. pp. 6. (Misc. pubs. 1882.)
- History of secondary instruction in Germany. pp. 87. (Circ. inf. 3, 1874.)
- Incorporated academies, Massachusetts policy of. (An. rep. 1868, p. 431.)
- In foreign countries. (An. rep. 1877, pp. lxxxviii-xci.)
- JACOBSON, HERMANN. History of secondary instruction in Germany. pp. 81. (Circ. inf. 3, 1874.)
- MCHENRY, D. C. Explanation of the leading features of Ontario high school system. (Spec. rep. N. O. exp. 1884-85, pp. 423-433.)
- Relations of secondary schools to colleges and schools of science. (An. rep. 1873, pp. xlviii-liv.)
- Secondary instruction, including preparatory. (An. rep. 1884-85, p. cxlix.)
- Statistical tables. Institutions for secondary instruction. (An. rep. 1871, pp. 614-635; 1872, pp. 716-760; 1873, pp. 586-643; 1874, pp. 580-651; 1875, pp. 616-688; 1876, pp. 584-671; 1877, pp. 391-476; 1878, pp. 401-483; 1879, pp. 415-500; 1880, pp. 523-612; 1881, pp. 450-543; 1882-83, pp. 462-566; 1883-84, pp. 481-591; 1884-85, pp. 438-551; 1885-86, pp. 366-425; 1886-87, pp. 494-630; 1887-88, pp. 481-582.)
- Secondary instruction.** [By States.] ALABAMA. (An. rep. 1874, p. 8; 1875, p. 11; 1876, p. 9; 1877, p. 7; 1878, p. 8; 1879, p. 7; 1880, p. 9; 1881, p. 7; 1882-83, p. 7; 1883-84, p. 8; 1884-85, p. 8.)
- ARIZONA TERRITORY. (An. rep. 1879, p. 266; 1881, p. 280; 1882-83, p. 284; 1883-84, p. 290; 1884-85, p. 289.)
- ARKANSAS. (An. rep. 1874, p. 13; 1875, p. 18; 1876, p. 20; 1877, p. 11; 1878, p. 12; 1879, p. 11; 1880, p. 15; 1881, p. 11; 1882-83, p. 12; 1883-84, p. 14; 1884-85, p. 14.)
- CALIFORNIA. (An. rep. 1873, p. 25; 1874, p. 25; 1875, p. 32; 1876, p. 29; 1877, p. 17; 1878, p. 19; 1879, p. 17; 1880, p. 23; 1881, p. 16; 1882-83, p. 18; 1883-84, p. 22; 1884-85, p. 22.)
- COLORADO. (An. rep. 1873, p. 431; 1874, p. 464; 1875, p. 474; 1876, p. 38; 1877, p. 22; 1878, p. 24; 1879, p. 23; 1880, p. 32; 1881, p. 22; 1882-83, p. 24; 1883-84, p. 30; 1884-85, p. 29.)
- CONNECTICUT. (An. rep. 1874, p. 45; 1875, p. 52; 1876, p. 47; 1877, p. 28; 1878, p. 29; 1879, p. 29; 1880, p. 41; 1881, p. 29; 1882-83, p. 32; 1883-84, p. 39; 1884-85, p. 38.)
- DAKOTA. (An. rep. 1878, p. 271; 1879, p. 269; 1880, p. 359; 1881, p. 283; 1882-83, p. 286; 1883-84, p. 293; 1884-85, p. 292.)
- DELAWARE. (An. rep. 1874, p. 58; 1875, p. 62; 1876, p. 58; 1877, p. 34; 1878, p. 36; 1879, p. 35; 1880, p. 50; 1881, p. 36; 1882-83, p. 39; 1883-84, p. 46; 1884-85, p. 45.)
- DISTRICT OF COLUMBIA. (An. rep. 1874, p. 476; 1875, p. 490; 1876, p. 442; 1877, p. 280; 1878, p. 275; 1879, p. 273; 1880, p. 364; 1881, p. 286; 1882-83, p. 289; 1883-84, p. 295; 1884-85, p. 295.)
- FLORIDA. (An. rep. 1870, p. 106; 1872, p. 58; 1873, p. 67; 1875, p. 68; 1876, p. 65; 1877, p. 36; 1878, p. 40; 1879, p. 38; 1880, p. 56; 1881, p. 40; 1882-83, p. 42; 1883-84, p. 50; 1884-85, p. 48.)
- GEORGIA. (An. rep. 1873, p. 72; 1874, p. 73; 1875, p. 75; 1876, p. 71; 1877, p. 41; 1878, p. 45; 1879, p. 43; 1880, p. 63; 1881, p. 44; 1882-83, p. 47; 1883-84, p. 56; 1884-85, p. 54.)
- ILLINOIS. (An. rep. 1873, p. 86; 1874, p. 89; 1875, p. 88; 1876, p. 84; 1877, p. 48; 1878, p. 54; 1879, p. 51; 1880, p. 72; 1881, p. 51; 1882-83, p. 55; 1883-84, p. 64; 1884-85, p. 63.)
- INDIANA. (An. rep. 1874, p. 105; 1875, p. 105; 1876, p. 102; 1877, p. 57; 1878, p. 64; 1879, p. 60; 1880, p. 83; 1881, p. 61; 1882-83, p. 65; 1883-84, p. 77; 1884-85, p. 73.)
- IOWA. (An. rep. 1871, p. 163; 1873, p. 110; 1874, p. 117; 1875, p. 119; 1876, p. 115; 1877, p. 66; 1878, p. 70; 1879, p. 67; 1880, p. 93; 1881, p. 70; 1882-83, p. 74; 1883-84, p. 85; 1884-85, p. 82.)
- KANSAS. (An. rep. 1874, p. 126; 1875, p. 132; 1876, p. 128; 1877, p. 72; 1878, p. 78; 1879, p. 74; 1880, p. 103; 1881, p. 78; 1882-83, p. 81; 1883-84, p. 93; 1884-85, p. 90.)
- KENTUCKY. (An. rep. 1874, p. 137; 1875, p. 143; 1876, p. 137; 1877, p. 78; 1878, p. 84; 1879, p. 80; 1880, p. 112; 1881, p. 83; 1882-83, p. 86; 1883-84, p. 100; 1884-85, p. 97.)
- LOUISIANA. (An. rep. 1873, p. 136; 1874, p. 150; 1875, p. 154; 1876, p. 149; 1877, p. 85; 1878, p. 89; 1879, p. 87; 1880, p. 121; 1881, p. 88; 1882-83, p. 92; 1883-84, p. 107; 1884-85, p. 104.)



- Secondary instruction.** [By States.] **MAINE.** (An. rep. 1871, p. 204; 1873, p. 147; 1874, p. 162; 1875, p. 163; 1876, p. 159; 1877, p. 90; 1878, p. 94; 1879, p. 92; 1880, p. 129; 1881, p. 94; 1882-83, p. 97; 1883-84, p. 115; 1884-85, p. 111.)
- MARYLAND.** (An. rep. 1873, p. 155; 1874, p. 173; 1875, p. 176; 1876, p. 172; 1877, p. 98; 1878, p. 100; 1879, p. 98; 1880, p. 136; 1881, p. 100; 1882-83, p. 103; 1883-84, p. 121; 1884-85, p. 118.)
- MASSACHUSETTS.** (An. rep. 1873, p. 176; 1874, p. 190; 1875, p. 194; 1876, p. 187; 1877, p. 111; 1878, p. 111; 1879, p. 109; 1880, p. 150; 1881, p. 112; 1882-83, p. 116; 1883-84, p. 135; 1884-85, p. 132.)
- Massachusetts policy of incorporated academies. (An. rep. 1863, p. 431.)
- MICHIGAN.** (An. rep. 1873, p. 195; 1874, p. 209; 1875, p. 215; 1876, p. 204; 1878, p. 124; 1879, p. 121; 1880, p. 164; 1881, p. 126; 1882-83, p. 128; 1883-84, p. 147; 1884-85, p. 144.)
- MINNESOTA.** (An. rep. 1871, p. 251; 1873, p. 195; 1874, p. 223; 1875, p. 227; 1876, p. 216; 1877, p. 135; 1878, p. 132; 1879, p. 129; 1880, p. 174; 1881, p. 135; 1882-83, p. 137; 1883-84, p. 154; 1884-85, p. 151.)
- MISSISSIPPI.** (An. rep. 1874, p. 231; 1875, p. 236; 1876, p. 224; 1877, p. 140; 1878, p. 137; 1879, p. 134; 1880, p. 181; 1881, p. 140; 1882-83, p. 142; 1883-84, p. 159.)
- MISSOURI.** (An. rep. 1873, p. 226; 1874, p. 243; 1875, p. 248; 1876, p. 234; 1877, p. 147; 1878, p. 145; 1879, p. 140; 1880, p. 189; 1881, p. 146; 1882-83, p. 148; 1883-84, p. 166; 1884-85, p. 162.)
- MONTANA.** (An. rep. 1873, p. 285; 1879, p. 282; 1880, p. 379; 1881, p. 298; 1882-83, p. 299; 1883-84, p. 303; 1884-85, p. 305.)
- NEBRASKA.** (An. rep. 1874, p. 254; 1875, p. 259; 1876, p. 244; 1877, p. 155; 1878, p. 151; 1879, p. 147; 1880, p. 198; 1881, p. 153; 1882-83, p. 155; 1883-84, p. 173; 1884-85, p. 169.)
- NEVADA.** (An. rep. 1874, p. 262; 1875, p. 265; 1876, p. 250; 1877, p. 158; 1878, p. 156; 1879, p. 150; 1880, p. 203; 1883-84, p. 177; 1884-85, p. 174.)
- NEW HAMPSHIRE.** (An. rep. 1871, p. 279; 1872, p. 221; 1873, p. 251; 1874, p. 269; 1875, p. 271; 1876, p. 257; 1877, p. 163; 1878, p. 160; 1879, p. 155; 1880, p. 208; 1881, p. 162; 1882-83, p. 164; 1883-84, p. 181; 1884-85, p. 179.)
- NEW JERSEY.** (An. rep. 1873, p. 264; 1874, p. 282; 1875, p. 280; 1876, p. 268; 1877, p. 171; 1878, p. 169; 1879, p. 162; 1880, p. 215; 1881, p. 169; 1882-83, p. 171; 1883-84, p. 188; 1884-85, p. 188.)
- NEW MEXICO.** (An. rep. 1878, p. 288; 1879, p. 284; 1882-83, p. 301; 1884-85, p. 307.)
- NEW YORK.** (An. rep. 1874, p. 302; 1875, p. 300; 1876, p. 282; 1877, p. 180; 1878, p. 178; 1879, p. 172; 1880, p. 227; 1881, p. 182; 1882-83, p. 182; 1883-84, p. 199; 1884-85, p. 199.)
- NORTH CAROLINA.** (An. rep. 1873, p. 303; 1874, p. 320; 1875, p. 322; 1876, p. 300; 1877, p. 192; 1878, p. 188; 1879, p. 183; 1880, p. 240; 1881, p. 196; 1882-83, p. 195; 1883-84, p. 209; 1884-85, p. 211.)
- OHIO.** (An. rep. 1874, p. 335; 1875, p. 336; 1876, p. 314; 1877, p. 202; 1878, p. 196; 1879, p. 190; 1880, p. 252; 1881, p. 205; 1882-83, p. 206; 1883-84, p. 218; 1884-85, p. 218.)
- OREGON.** (An. rep. 1871, p. 324; 1872, p. 285; 1873, p. 335; 1874, p. 351; 1875, p. 349; 1876, p. 326; 1877, p. 210; 1878, p. 202; 1879, p. 196; 1880, p. 262; 1881, p. 212; 1882-83, p. 214; 1883-84, p. 224; 1884-85, p. 225.)
- PENNSYLVANIA.** (An. rep. 1873, p. 343; 1874, p. 364; 1875, p. 362; 1876, p. 340; 1877, p. 218; 1878, p. 209; 1879, p. 203; 1880, p. 274; 1881, p. 220; 1882-83, p. 224; 1883-84, p. 236; 1884-85, p. 234.)
- RHODE ISLAND.** (An. rep. 1873, p. 357; 1874, p. 382; 1875, p. 381; 1876, p. 357; 1877, p. 223; 1878, p. 218; 1879, p. 215; 1880, p. 287; 1881, p. 232; 1882-83, p. 234; 1883-84, p. 245; 1884-85, p. 244.)
- SOUTH CAROLINA.** (An. rep. 1873, p. 364; 1874, p. 391; 1875, p. 390; 1876, p. 365; 1877, p. 234; 1878, p. 224; 1879, p. 220; 1880, p. 295; 1881, p. 238; 1882-83, p. 238; 1883-84, p. 252; 1884-85, p. 250.)
- TENNESSEE.** (An. rep. 1873, p. 375; 1874, p. 400; 1875, p. 399; 1876, p. 376; 1877, p. 241; 1878, p. 229; 1880, p. 303; 1881, p. 243; 1882-83, p. 244; 1883-84, p. 258; 1884-85, p. 250.)
- TEXAS.** (An. rep. 1873, p. 385; 1874, p. 412; 1875, p. 410; 1876, p. 387; 1877, p. 246; 1878, p. 236; 1879, p. 233; 1880, p. 313; 1881, p. 249; 1882-83, p. 250; 1883-84, p. 264; 1884-85, p. 261.)
- UTAH.** (An. rep. 1874, p. 501; 1875, p. 513; 1876, p. 461; 1877, p. 292; 1878, p. 290; 1879, p. 286; 1880, p. 385; 1882-83, p. 303; 1883-84, p. 306; 1884-85, p. 310.)
- VERMONT.** (An. rep. 1873, p. 388; 1874, p. 418; 1875, p. 417; 1876, p. 395; 1877, p. 252; 1878, p. 241; 1879, p. 239; 1880, p. 320; 1881, p. 253; 1882-83, p. 256; 1883-84, p. 269; 1884-85, p. 266.)
- VIRGINIA.** (An. rep. 1872, p. 342; 1873, p. 397; 1874, p. 429; 1875, p. 429; 1876, p. 403; 1877, p. 258; 1878, p. 247; 1879, p. 246; 1880, p. 329; 1881, p. 260; 1882-83, p. 262; 1883-84, p. 274; 1884-85, p. 273.)

- Secondary instruction.** [By States.] WASHINGTON TERRITORY. (An. rep. 1876, p. 464; 1877, p. 295; 1878, p. 293; 1879, p. 288; 1880, p. 389; 1881, p. 305; 1882-83, p. 305; 1883-84, p. 806; 1884-85, p. 314.)
- WEST VIRGINIA. (An. rep. 1874, p. 443; 1875, p. 444; 1876, p. 414; 1877, p. 264; 1878, p. 253; 1879, p. 253; 1880, p. 338; 1881, p. 266; 1882-83, p. 266; 1883-84, p. 279; 1884-85, p. 278.)
- WISCONSIN. (An. rep. 1873, p. 417; 1874, p. 452; 1875, p. 456; 1876, p. 424; 1877, p. 270; 1878, p. 261; 1879, p. 259; 1880, p. 346; 1881, p. 273; 1882-83, p. 273; 1883-84, p. 284; 1884-85, p. 283.)
- For further statistics, see **Secondary instruction** [in general] statistical tables.
- Servia, Education in.** (An. rep. 1874, p. cxlii; 1875, p. cxxxiv; 1876, p. cxcii; 1882-83, p. cexl; Circ. inf. 3, 1875, p. 69.)
- Sexton, Samuel.** Causes of deafness among school children and the instruction of children with impaired hearing. pp. 47. (Circ. inf. 5, 1881.)
- Classification of deaf pupils with a view to improve facilities for their education, based on the causes of their disability. (Spec. rep. N. O. exp. 1884-85, pp. 523-528.)
- Necessity of providing for the better education of children with defective hearing in the public schools. (Spec. rep. N. O. exp. 1884-85, pp. 529-536.)
- Shanks, J. P. C.** Education of Indians in Indian Territory. (An. rep. 1872, p. xxi.)
- Shiras, Alexander.** National bureau of education; its history, work, and limitations. pp. 16. (Misc. pubs. 1875.)
- Shorthand.** ROCKWELL, J. E. Teaching, practice, and literature of shorthand. pp. 184. (2nd and enlarged ed.) (Circ. inf. 2, 1884.)
- Shufeldt, R. W.** Outlines for a museum of anatomy. pp. 65. (Spec. rep. 1880.)
- Siam.** See **China and Siam.**
- Skinner, Hubert M.** Growth and benefits of reading circles. (Circ. inf. 2, 1886, pp. 152-160.)
- National aid to education. (Circ. inf. 2, 1886, pp. 120-122.)
- Slater, (John F.) fund.** See **John F. Slater fund.**
- Smart, Charles.** Chemical examination of air as applied to questions of ventilation. (Circ. inf. 2, 1882, p. 19.)
- Smart, James H.** Best system of schools for a State. Appendix: Outline of school systems of various States. (Circ. inf. 2, 1880, pp. 31-42, 90-111.)
- High school question. (Circ. inf. 2, 1879, p. 167.)
- Students' work at the national centennial exhibition, 1876. (Circ. inf. 8, 1875.)
- Teachers' institutes. pp. 206. (Circ. inf. 2, 1885.)
- Smith, Annie Tolman.** Our country schools. (Spec. rep. N. O. exp. 1884-85, pp. 358-365.)
- Progress of education for women. (An. rep. 1871, pp. 511-518.)
- Rural schools: Progress in the past; means of improvement in the future. pp. 90. (Circ. inf. 6, 1884.)
- Smith, Charles Lee.** History of education in North Carolina. pp. 179. (Circ. inf. 3, 1883.)
- Honorary degrees as conferred in American colleges. pp. 12. (Misc. pub. 1, 1890.) (Bulletin No. 1, 1890.)
- Smith, G. L.** Public libraries of Baltimore. (Pub. libs. 1876, p. 837.)
- Smith, Joseph H.** Normal schools and their work in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 461-467.)
- Smith, Lloyd P.** Public libraries of Philadelphia. (Pub. libs. 1876, p. 952.)
- Smith, Lyndon A.** Recent school law decisions. pp. 82. (Circ. inf. 4, 1883.)
- Smithsonian Institution and scientific and literary organizations in District of Columbia.** (An. rep. 1871, p. 389; 1872, p. 389; 1873, p. 441; 1874, p. 481.)
- Smith, Walter.** Address to Pennsylvania legislature. Plea for state aid to Pennsylvania museum and school of industrial art. (Spec. rep. art and industry, 1885, p. 509.)
- Practical papers, letters, lectures, and addresses on drawing (in the public schools.) (Spec. rep. art and industry, 1885, pp. 515-590.)
- Technical education and industrial drawing. (Circ. inf. 2, 1879, p. 70.)
- Societies, Historical.** FLETCHER, W. I. General considerations respecting historical research. (Pub. libs. 1876, pp. 325-332.)
- HOLMES, H. A. History and condition of historical societies in the United States. (Pub. libs. 1876, pp. 312-325.)
- WARREN, S. R., and CLARK, S. N. Sketches of individual societies [by States]. (Pub. libs. 1876, pp. 332-377.)
- Soldiers' orphans' homes.** See **Charity schools, charitable institutions, etc.**
- South Australia, Education in.** (An. rep. 1883-84, p. cclxviii; 1884-85, p. cccx.)
- See also **Australasia.**
- South Carolina.** Bibliography of the history of higher education in South Carolina. (Circ. inf. 3, 1888.)



**South Carolina college.** (Circ. inf. 3, 1888, p. 127.)

**South Carolina, Education in.** (An. rep. 1870, p. 285; 1871, pp. 340-346; 1872, pp. 312-317; 1873, pp. 360-367; 1874, pp. 387-395; 1875, pp. 386-393; 1876, pp. 361-368; 1877, pp. 232-236; 1878, pp. 222-225; 1879, pp. 218-225; 1880, pp. 290-297; 1881, pp. 235-239; 1882-83, pp. 236-240; 1883-84, pp. 249-254; 1884-85, pp. 247-252.)  
*For further information see under State School systems (by States).*

— Education in, prior to and during the Revolution. By EDWARD MCCRADY, JR. (Circ. inf. 3, 1888, p. 211.)

— Free schools. (Circ. inf. 3, 1888, p. 109.)

— History of higher education in. By COLYER MERIWETHER. pp. 247. (Circ. inf. 3, 1888.)

— Negro, Education of. (Circ. inf. 3, 1888, p. 122.)

**South, The, and education.** BINGHAM, ROBERT. Educational status and needs of the new South. (Circ. inf. 4, 1884, p. 87.)

— Condition of education in the South. (An. rep. 1881, p. lxxxvii; 1882-83, p. lv.)

— COUNCIL, W. H. Need of educated labor in the South. (Circ. inf. 5, 1888, p. 80.)

— GARRETT, W. R. Education in the South. (Circ. inf. 2, 1889, p. 280.)

— MAYO, A. D. A southern graded school. (Spec. rep. N. O. exp. 1884-85, pp. 415-422.)

— Building for the children in the South. pp. 16. (Misc. pubs. 1884.)

— Industrial education in the South. (Circ. inf. 5, 1888.)

— ORR, G. J. Needs of education in the South. (Circ. inf. 2, 1879, p. 46.)

— Statistics of education of white and colored compared. (An. rep. 1878, p. xxviii; 1879, p. xxxix; 1880, p. lvii; 1881, p. lxxxi; 1882-83, p. xlviii; 1883-84, p. liii.)

**Spain, Education in.** (An. rep. 1871, pp. 476-477; 1872, pp. 519-520; 1873, p. clxv; 1876, p. xciii; 1877, p. clxvii; 1878, p. clxxi; 1879, p. cci; 1880, p. cexxv; 1881, p. cclxii; 1882-83, p. cclii; 1883-84, p. cexxxii; Circ. inf. 1, 1873, pp. 7-35.)

**Sparkes, John.** Criticism of Kensington methods of art instruction. (Spec. rep. art and industry, 1885, p. 481.)

**Spelling reform.** MARCH, F. A. Historical sketch of the movement for. pp. 36. (Circ. inf. 7, 1880.)

— SPENCER, DAVID C., *See* ALLEN, WM. F., *and*.

**Spoford, A. R.** Binding and preservation of books. (Pub. libs. 1876, pp. 673-678.)

— Library bibliography. (Pub. libs. 1876, pp. 733-744.)

— Library of Congress, or national library. (Pub. libs. 1876, pp. 253-261.)

— Periodical literature and society publications. (Pub. libs. 1876, pp. 679-685.)

— Works of reference for libraries. (Pub. libs. 1876, pp. 686-710.)

**Spring, Edward A.** Clay modelling. (Spec. rep. N. O. exp. 1884-85, pp. 231-236.)

— Spring Hill college (Ala.). (Circ. inf. 3, 1889, p. 185.)

**State and education.** (An. rep. 1872, p. 87.)

— ADAMS, HERBERT B. The State and higher education. (Circ. inf. 2, 1889, p. 262.)

— CAMPBELL, FRED. M. The State and the higher education. (Circ. inf. 2, 1889, p. 254.)

**State and Federal aid to higher education.** (An. rep. 1887-88, p. 56.)

— Duty of the State respecting education. (An. rep. 1876, p. clxi.)

— RANDALL, C. D. Education of dependent children. (Circ. inf. 2, 1880, p. 19.)

— Right and duty of the State to establish, aid, and supervise public schools.

[Quotations from eminent authors.] (An. rep. 1863, pp. 311-336.)

**State educational conventions.** *See* Conventions, etc., educational.

**State school systems.** [In general.] CAMPBELL, FRED. M. Public education on the Pacific coast. (Circ. inf. 3, 1887, p. 16.)

— Digest of State school reports. (An. rep. 1867-88, pp. 1093-1113.)

— List of officials in States and territories of the United States. pp. 62. (Misc. pubs. 1875.)

— SMART, JAMES H. Best system of schools for a State. Appendix: Outline of school systems of the various States. (Circ. inf. 2, 1880, pp. 31-42, 90-111.)

— Statistical tables. States and territories. (An. rep. 1870, pp. 504-505; 1871, pp. 572-573, 688; 1872, pp. 608-613; 1873, pp. 510-513; 1874, pp. 524-533; 1875, pp. 548-555; 1876, pp. 500-507; 1877, pp. 306-313; 1878, pp. 304-311; 1879, pp. 302-309; 1880, pp. 406-413; 1881, pp. 320-327; 1882-83, pp. 316-323; 1883-84, pp. 316-331; 1884-85, pp. 328-335; 1885-86, pp. 3-23; 1886-87, pp. 51-93; 1887-88, pp. 61-88.)

— WICKERSHAM, J. P. Weak places in our (public) school system. (Circ. inf. 3, 1881, p. 24.)

— YOUNG, CHARLES. Public schools of the Pacific coast. (Spec. rep. N. O. exp. 1884-85, pp. 366-370.)



- State school systems.** [By States.] **ALABAMA.** (An. rep. 1870, p. 81; 1871, p. 65; 1872, p. 3; 1873, p. 3; 1874, p. 5; 1875, p. 6; 1876, p. 5; 1877, p. 5; 1878, p. 5; 1879, p. 6; 1880, p. 6; 1881, p. 5; 1882-83, p. 4; 1883-84, p. 5; 1884-85, p. 4; 1885-86, p. 24; 1886-87, p. 94; 1887-88, p. 89; circ. inf. 3, 1889, p. 239.)
- ALASKA.** (An. rep. 1870, p. 336; 1873, p. 424; 1874, p. 459; 1875, p. 463; 1877, p. xxxi; 1878, p. 266; 1879, p. 264; 1880, p. 350; 1881, p. 278; 1882-83, p. 278; 1883-84, p. 288; 1884-85, p. 286; 1885-86, p. 38; 1886-87, p. 98.)
- ARIZONA.** (An. rep. 1870, p. 318; 1871, p. 377; 1872, p. 365; 1873, p. 425; 1874, p. 461; 1875, p. 467; 1876, p. 431; 1877, p. 275; 1878, p. 268; 1879, p. 265; 1880, p. 354; 1881, p. 279; 1882-83, p. 283; 1883-84, p. 289; 1884-85, p. 287; 1885-86, p. 38; 1886-87, p. 112; 1887-88, p. 92.)
- ARKANSAS.** (An. rep. 1870, p. 86; 1871, p. 71; 1872, p. 11; 1873, p. 11; 1874, p. 12; 1875, p. 15; 1876, p. 14; 1877, p. 9; 1878, p. 10; 1879, p. 9; 1880, p. 14; 1881, p. 9; 1882-83, p. 10; 1883-84, p. 11; 1884-85, p. 12; 1885-86, p. 24; 1886-87, p. 112; 1887-88, p. 92.)
- CALIFORNIA.** (An. rep. 1870, p. 87; 1871, p. 75; 1872, p. 14; 1873, p. 19; 1874, p. 17; 1875, p. 22; 1876, p. 23; 1877, p. 14; 1878, p. 15; 1879, p. 14; 1880, p. 20; 1881, p. 14; 1882-83, p. 16; 1883-84, p. 18; 1884-85, p. 18; 1885-86, p. 25; 1886-87, p. 113; 1887-88, p. 94.)
- COLORADO.** (An. rep. 1870, p. 318; 1871, p. 378; 1872, p. 367; 1873, p. 429; 1874, p. 463; 1875, p. 470; 1876, p. 36; 1877, p. 21; 1878, p. 22; 1879, p. 21; 1880, p. 30; 1881, p. 21; 1882-83, p. 22; 1883-84, p. 28; 1884-85, p. 27; 1885-86, p. 25; 1886-87, p. 113; 1887-88, pp. 96 and 1093.) [Territory up to 1876.]
- CONNECTICUT.** (An. rep. 1870, p. 98; 1871, p. 96; 1872, p. 32; 1873, p. 36; 1874, p. 39; 1875, p. 45; 1876, p. 43; 1877, p. 24; 1878, p. 27; 1879, p. 26; 1880, p. 38; 1881, p. 26; 1882-83, p. 28; 1883-84, p. 33; 1884-85, p. 34; 1885-86, p. 26; 1886-87, p. 114; 1887-88, pp. 96 and 1095.)
- DAKOTA.** (An. rep. 1870, p. 319; 1871, p. 379; 1872, p. 371; 1873, p. 433; 1874, p. 466; 1875, p. 477; 1876, p. 433; 1877, p. 276; 1878, p. 270; 1879, p. 267; 1880, p. 358; 1881, p. 281; 1882-83, p. 285; 1883-84, p. 291; 1884-85, p. 290; 1885-86, p. 39; 1886-87, p. 117; 1887-88, p. 96.)
- DELAWARE.** (An. rep. 1870, p. 103; 1871, p. 108; 1872, p. 51; 1873, p. 49; 1874, p. 55; 1875, p. 60; 1876, p. 55; 1877, p. 32; 1878, p. 34; 1879, p. 33; 1880, p. 48; 1881, p. 34; 1882-83, p. 37; 1883-84, p. 44; 1884-85, p. 43; 1885-86, p. 27; 1886-87, p. 120; 1887-88, p. 100.)
- DISTRICT OF COLUMBIA.** *City and county systems.* (An. rep. 1870, p. 312; 1871, p. 385; 1872, p. 384; 1873, p. 434; 1874, p. 469; 1875, p. 431; 1876, [Historical sketch of the public schools of, compiled from various authorities], p. 437; 1877, p. 278; 1878, p. 273; 1879, p. 270; 1880, p. 362; 1881, p. 285; 1882-83, p. 288; 1883-84, p. 294; 1884-85, p. 294; 1886-87, p. 123; 1887-88, p. 102.)
- FLORIDA.** (An. rep. 1870, p. 105; 1871, p. 119; 1872, p. 58; 1873, p. 65; 1874, p. 61; 1875, p. 65; 1876, p. 61; 1877, p. 36; 1878, p. 38; 1879, p. 37; 1880, p. 54; 1881, p. 38; 1882-83, p. 41; 1883-84, p. 48; 1884-85, p. 46; 1885-86, p. 27; 1886-87, p. 125; 1887-88, p. 105.)
- GEORGIA.** (An. rep. 1870, p. 109; 1871, p. 123; 1872, p. 63; 1873, p. 69; 1874, p. 71; 1875, p. 71; 1876, p. 68; 1877, p. 38; 1878, p. 42; 1879, p. 40; 1880, p. 60; 1881, p. 41; 1882-83, p. 44; 1883-84, p. 53; 1884-85, p. 51; 1885-86, p. 27; 1886-87, p. 126; 1887-88, p. 106.)
- IDAHO.** (An. rep. 1870, p. 321; 1871, p. 380; 1872, p. 373; 1873, p. 451; 1874, p. 486; 1875, p. 495; 1876, p. 446; 1877, p. 283; 1878, p. 279; 1879, p. 276; 1880, p. 370; 1881, p. 291; 1882-83, p. 293; 1883-84, p. 298; 1884-85, p. 299; 1886-87, p. 127; 1887-88, p. 107.)
- ILLINOIS.** (An. rep. 1870, p. 110; 1871, p. 137; 1872, p. 73; 1873, p. 78; 1874, p. 80; 1875, p. 81; 1876, p. 77; 1877, p. 44; 1878, p. 49; 1879, p. 46; 1880, p. 68; 1881, p. 48; 1882-83, p. 51; 1883-84, p. 59; 1884-85, p. 58; 1885-86, p. 28; 1886-87, p. 129; 1887-88, pp. 111, 1097.)
- INDIANA.** (An. rep. 1870, p. 123; 1871, p. 150; 1872, p. 107; 1873, p. 94; 1874, p. 98; 1875, p. 99; 1876, p. 95; 1877, p. 53; 1878, p. 60; 1879, p. 57; 1880, p. 80; 1881, p. 57; 1882-83, p. 61; 1883-84, p. 71; 1884-85, p. 69; 1885-86, p. 28; 1886-87, p. 129; 1887-88, pp. 111, 1111.)
- INDIAN TERRITORY.** (An. rep. 1870, p. 337; 1876, p. 449; 1877, p. 255; 1878, p. 281; 1879, p. 278; 1880, p. 374; 1881, p. 293; 1882-83, p. 295; 1883-84, p. 301; 1884-85, p. 301.)
- IOWA.** (An. rep. 1870, p. 131; 1871, p. 169; 1872, p. 116; 1873, p. 107; 1874, p. 113; 1875, p. 113; 1876, p. 111; 1877, p. 62; 1878, p. 68; 1879, p. 64; 1880, p. 90; 1881, p. 66; 1882-83, p. 71; 1883-84, p. 82; 1884-85, p. 78; 1886-87, p. 129; 1887-88, p. 111.)
- KANSAS.** (An. rep. 1870, p. 140; 1871, p. 171; 1872, p. 119; 1873, p. 115; 1874, p. 123; 1875, p. 127; 1876, p. 123; 1877, p. 69; 1878, p. 75; 1879, p. 71; 1880, p. 100; 1881, p. 75; 1882-83, p. 79; 1883-84, p. 90; 1884-85, p. 87; 1885-86, p. 29; 1886-87, p. 131; 1887-88, p. 111.)

- State school systems.** [By States.] **KENTUCKY.** (An. rep. 1870, p. 147; 1871, p. 181; 1872, p. 125; 1873, p. 122; 1874, p. 131; 1875, p. 136; 1876, p. 132; 1877, p. 74; 1878, p. 81; 1879, p. 77; 1880, p. 110; 1881, p. 81; 1882-83, p. 84; 1883-84, p. 97; 1884-85, p. 94; 1886-87, p. 136; 1887-88, p. 112.)
- **LOUISIANA.** (An. rep. 1870, p. 150; 1871, p. 192; 1872, p. 132; 1873, p. 134; 1874, p. 146; 1875, p. 150; 1876, p. 145; 1877, p. 82; 1878, p. 87; 1879, p. 84; 1880, p. 118; 1881, p. 86; 1882-83, p. 90; 1883-84, p. 104; 1884-85, p. 101; 1886-87, p. 140; 1887-88, p. 112.)
- **MAINE.** (An. rep. 1870, p. 153; 1871, p. 202; 1872, p. 138; 1873, p. 144; 1874, p. 156; 1875, p. 159; 1876, p. 153; 1877, p. 88; 1878, p. 91; 1879, p. 89; 1880, p. 126; 1881, p. 91; 1882-83, p. 94; 1883-84, p. 111; 1884-85, p. 107; 1885-86, p. 29; 1886-87, p. 140; 1887-88, pp. 114, 1102.)
- **MARYLAND.** (An. rep. 1870, p. 156; 1871, p. 210; 1872, p. 149; 1873, p. 151; 1874, p. 167; 1875, p. 171; 1876, p. 165; 1877, p. 95; 1878, p. 97; 1879, p. 95; 1880, p. 134; 1881, p. 97; 1882-83, p. 100; 1883-84, p. 118; 1884-85, p. 115; 1885-86, p. 30; 1886-87, p. 141; 1887-88, pp. 114, 1104.)
- **MASSACHUSETTS.** (An. rep. 1870, p. 165; 1871, p. 213; 1872, p. 156; 1873, p. 166; 1874, p. 180; 1875, p. 184; 1876, p. 179; 1877, p. 105; 1878, p. 105; 1879, p. 103; 1880, p. 142; 1881, p. 105; 1882-83, p. 109; 1883-84, p. 128; 1884-85, p. 125; 1885-86, p. 30; 1886-87, p. 143; 1887-88, pp. 115, 1106.)
- **MICHIGAN.** (An. rep. 1870, p. 185; 1871, p. 237; 1872, p. 184; 1873, p. 192; 1874, p. 203; 1875, p. 208; 1876, p. 200; 1877, p. 121; 1878, p. 120; 1879, p. 117; 1880, p. 160; 1881, p. 122; 1882-83, p. 125; 1883-84, p. 143; 1884-85, p. 140; 1885-86, p. 31; 1886-87, p. 143; 1887-88, p. 115.)
- **MINNESOTA.** (An. rep. 1870, p. 194; 1871, p. 244; 1872, p. 189; 1873, p. 192; 1874, p. 219; 1875, p. 221; 1876, p. 212; 1877, p. 130; 1878, p. 129; 1879, p. 127; 1880, p. 172; 1881, p. 132; 1882-83, p. 135; 1883-84, p. 151; 1884-85, p. 148; 1885-86, p. 31; 1886-87, p. 145; 1887-88, p. 116.)
- **MISSISSIPPI.** (An. rep. 1870, p. 200; 1871, p. 256; 1872, p. 195; 1873, p. 211; 1874, p. 228; 1875, p. 233; 1876, p. 221; 1877, p. 138; 1878, p. 135; 1879, p. 132; 1880, p. 180; 1881, p. 138; 1882-83, p. 140; 1883-84, p. 157; 1884-85, p. 154; 1886-87, p. 146; 1887-88, pp. 117, 1108.)
- **MISSOURI.** (An. rep. 1870, p. 201; 1871, p. 260; 1872, p. 203; 1873, p. 220; 1874, p. 235; 1875, p. 240; 1876, p. 228; 1877, p. 143; 1878, p. 140; 1879, p. 136; 1880, p. 186; 1881, p. 144; 1882-83, p. 145; 1883-84, p. 162; 1884-85, p. 158; 1885-86, p. 31; 1886-87, p. 149; 1887-88, p. 117.)
- **MONTANA.** (An. rep. 1870, p. 323; 1872, p. 375; 1873, p. 453; 1874, p. 489; 1875, p. 497; 1876, p. 452; 1877, p. 287; 1878, p. 284; 1879, p. 251; 1880, p. 378; 1881, p. 296; 1882-83, p. 298; 1883-84, p. 302; 1884-85, p. 303; 1885-86, p. 39; 1886-87, p. 150; 1887-88, p. 119.)
- **NEBRASKA.** (An. rep. 1870, p. 212; 1871, p. 270; 1872, p. 214; 1873, p. 233; 1874, p. 250; 1875, p. 255; 1876, p. 241; 1877, p. 153; 1878, p. 149; 1879, p. 145; 1880, p. 196; 1881, p. 151; 1882-83, p. 152; 1883-84, p. 170; 1884-85, p. 167; 1885-86, p. 32; 1886-87, p. 150; 1887-88, p. 121.)
- **NEVADA.** (An. rep. 1870, p. 212; 1871, p. 272; 1872, p. 216; 1873, p. 242; 1874, p. 261; 1875, p. 263; 1876, p. 248; 1877, p. 157; 1878, p. 154; 1879, p. 149; 1880, p. 200; 1881, p. 157; 1882-83, p. 158; 1883-84, p. 175; 1884-85, p. 173; 1885-86, p. 33; 1886-87, p. 150; 1887-88, p. 123.)
- **NEW HAMPSHIRE.** (An. rep. 1870, p. 215; 1871, p. 276; 1872, p. 218; 1873, p. 247; 1874, p. 264; 1875, p. 267; 1876, p. 253; 1877, p. 161; 1878, p. 158; 1879, p. 153; 1880, p. 206; 1881, p. 159; 1882-83, p. 161; 1883-84, p. 178; 1884-85, p. 176; 1885-86, p. 33; 1886-87, p. 151; 1887-88, p. 125.)
- **NEW JERSEY.** (An. rep. 1870, p. 221; 1871, p. 283; 1872, p. 224; 1873, p. 256; 1874, p. 274; 1875, p. 275; 1876, p. 262; 1877, p. 167; 1878, p. 165; 1879, p. 159; 1880, p. 212; 1881, p. 165; 1882-83, p. 167; 1883-84, p. 184; 1884-85, p. 183; 1886-87, p. 152; 1887-88, pp. 126, 1103.)
- **NEW MEXICO.** (An. rep. 1870, p. 326; 1871, p. 381; 1872, p. 376; 1873, p. 455; 1874, p. 491; 1875, p. 500; 1876, p. 456; 1877, p. 289; 1880, p. 380; 1881, p. 299; 1882-83, p. 301; 1883-84, p. 304; 1884-85, p. 306; 1886-87, p. 153; 1887-88, p. 129.)
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- **NORTH CAROLINA.** (An. rep. 1870, p. 248; 1871, p. 313; 1872, p. 361; 1873, p. 298; 1874, p. 317; 1875, p. 318; 1876, p. 297; 1877, p. 190; 1878, p. 186; 1879, p. 181; 1880, p. 238; 1881, p. 194; 1882-83, p. 192; 1883-84, p. 206; 1884-85, p. 209; 1885-86, p. 34; 1886-87, p. 157; 1887-88, p. 135.)
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- Statistics, Educational.** See *Educational statistics.*
- Stearns, Eben S.** Framingham State normal school; historical sketch. (An. rep. 1868, pp. 663-670.)
- Steffen, William.** German schools and teaching German (letter on). (An. rep. 1870, p. 437.)
- Stetson, Charles B.** Popular instruction in elementary drawing: Report based on international school exhibits at the centennial exposition, 1876. (Spec. rep. art and industry, 1885, pp. 635-689.)
- Stewart, N. Coe.** Education of public school teachers in the art of singing. (Circ. inf. 1, 1886, p. 28.)
- Stewart, William W.** Nation and the public school. (Circ. inf. 3, 1887, p. 188.)
- Stuart, Geo.** The *raison d'être* of the public high school. (An. rep. 1886-87, p. 1017.) (Reprinted from EDUCATION, Jan., 1888.)
- Studies, Common school.** GREGORY, J. M. Some fundamental inquiries concerning common-school studies. (Circ. inf. 2, 1882, p. 80.)
- Study, Courses of.** See *Courses of study.*
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- Strong, William.** Instruction in governmental ideas. (Circ. inf. 2, 1879, p. 65.)



- Summer schools.** See **Vacation schools.** (An. rep. 1879, p. ccxvii.)
- Sumner, J. S., and "a Librarian."** Theological libraries in the United States. (Pub. libs. 1876, pp. 127-160.)
- Sunday schools,** Educational work of, and foreign missions. (An. rep. 1873, pp. 481-482.)
- Education in Sunday schools and mission schools. (An. rep. 1875, p. 545; 1878, p. 302.)
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- Sweden and Norway,** Education in. (An. rep. 1871, pp. 477-484; 1872, pp. 520-521; 1873, p. clxv.)
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- Switzerland,** Education in. (An. rep. 1871, pp. 484-487; 1872, pp. 521-533; 1873, p. clxvi; 1874, p. clxiii; 1875, p. cccxv; 1876, p. exciii; 1877, p. clxviii; 1878, p. clxxiii; 1879, p. ccii; 1880, p. cccxv; 1881, p. cclxiii; 1882-83, p. cccxlv; 1883-84, p. cccxxxiv; 1887-88, p. 1025.)
- **HITTS, JOHN.** Popular education in Switzerland. (Circ. inf. 2, 1879, p. 8.)
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- Taylor, W. P.** Patent office library. (Pub. libs. 1876, p. 271.)
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- **DAY, L. W.** The examination of teachers. (Circ. inf. 2, 1889, p. 219.)
- **Draper, A. S.** Qualifications of teachers, followed by discussion of E. E. Higbee, W. W. Woodruff, R. K. Buehrle, D. L. Kiehle. (Circ. inf. 6, 1888, pp. 58-68.)
- Examinations and qualifications of. (An. rep. 1881, p. lvi.)
- **HARRIS, WILLIAM T.** How to improve the qualifications of teachers. (Circ. inf. 2, 1882, p. 98.)
- **HINSDALE, A. B.** Committee report on Andrew J. Rickoff's paper "Examinations and certification of teachers." (Circ. inf. 3, 1887, p. 155.)
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- **NEWELL, M. A.** Teachers' examinations. (Circ. inf. 2, 1889, p. 217.)
- Qualifications and appointment of teachers. (An. rep. 1881, p. lvi.)
- **RICKOFF, ANDREW J.** Examination and certification of teachers, with remarks by Wm. A. Mowry. (Circ. inf. 3, 1887, pp. 46-58.)
- Status of the teaching force. (An. rep. 1884-85, p. xlix.)
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- Tenure of office of. (An. rep. 1879, p. xxiii; 1880, p. xxv.)
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- Teachers' institutes.** [In general.] (An. rep. 1886-87, p. 402.)
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- INDIANA. (An. rep. 1871, p. 152; 1872, p. 110; 1873, pp. 97, 98; 1874, p. 104; 1875, p. 105; 1876, p. 101; 1877, p. 56; 1878, p. 63; 1879, p. 59; 1880, p. 82; 1881, p. 60; 1882-83, p. 65; 1883-84, p. 77; 1884-85, p. 73; 1886-87, p. 417.)
- IOWA. (An. rep. 1873, p. 112; 1874, p. 116; 1875, p. 118; 1878, p. 70; 1880, p. 93; 1881, p. 70; 1882-83, p. 74; 1883-84, p. 85; 1884-85, p. 82; 1887-88, p. 422.)
- KANSAS. (An. rep. 1870, p. 140; 1871, p. 179; 1875, p. 132; 1877, p. 71; 1878, p. 72; 1879, p. 74; 1880, p. 103; 1881, p. 78; 1882-83, p. 81; 1883-84, p. 93; 1884-85, p. 90; 1886-87, p. 419; 1887-88, p. 422.)
- KENTUCKY. (An. rep. 1872, p. 129; 1874, p. 136; 1877, p. 78; 1879, p. 80; 1880, p. 112; 1881, p. 83; 1882-83, p. 86; 1884-85, p. 96; 1885-86, p. 99; 1886-87, p. 419; 1887-88, p. 423.)
- LOUISIANA. (An. rep. 1871, p. 201; 1872, p. 133; 1874, p. 149; 1877, p. 85; 1880, p. 120; 1881, p. 88; 1882-83, p. 92; 1883-84, p. 107; 1884-85, p. 103; 1886-87, p. 420; 1887-88, p. 424.)
- MAINE. (An. rep. 1872, p. 140; 1874, p. 162; 1877, p. 90; 1878, p. 93; 1879, p. 92; 1880, p. 129; 1881, p. 94; 1882-83, p. 97; 1883-84, p. 115.)
- MARYLAND. (An. rep. 1871, p. 210; 1872, p. 150; 1874, p. 172; 1875, p. 176; 1877, p. 98; 1878, p. 100; 1879, p. 97; 1880, p. 136; 1881, p. 99; 1882-83, p. 102; 1883-84, p. 121; 1884-85, p. 118; 1886-87, p. 421.)
- MASSACHUSETTS. (An. rep. 1871, p. 216; 1872, p. 158; 1873, p. 187; 1874, p. 189; 1875, p. 193; 1876, p. 187; 1877, p. 110; 1878, p. 111; 1879, p. 109; 1880, p. 149; 1881, p. 111; 1882-83, p. 115; 1884-85, p. 132; 1886-87, p. 425.)
- MICHIGAN. (An. rep. 1870, p. 185; 1871, p. 238; 1872, p. 185; 1873, p. 200; 1875, p. 214; 1877, p. 125; 1878, p. 124; 1879, p. 121; 1880, p. 163; 1881, p. 126; 1882-83, p. 128; 1883-84, p. 147; 1884-85, p. 143; 1885-86, pp. 31, 113; 1886-87, p. 427; 1887-88, p. 429.)
- MINNESOTA. (An. rep. 1871, p. 246; 1872, p. 190; 1873, p. 200; 1874, p. 223; 1875, p. 226; 1877, p. 134; 1878, p. 132; 1879, p. 129; 1880, p. 174; 1881, p. 134; 1882-83, p. 153; 1884-85, p. 150; 1886-87, p. 427; 1887-88, p. 432.)
- MISSISSIPPI. (An. rep. 1871, p. 257; 1872, p. 197; 1873, p. 137; 1879, p. 134; 1880, p. 181; 1881, p. 140; 1882-83, p. 142; 1883-84, p. 159; 1886-87, p. 427.)
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- MONTANA. (An. rep. 1874, p. 489; 1875, p. 498; 1877, p. 288; 1878, p. 285; 1879, p. 282; 1880, p. 379; 1881, p. 297; 1882-83, p. 299; 1883-84, p. 303; 1884-85, p. 305; 1885-86, p. 204; 1886-87, p. 430; 1887-88, p. 434.)
- NEBRASKA. (An. rep. 1873, p. 236; 1874, p. 254; 1877, p. 155; 1878, p. 151; 1879, p. 147; 1880, p. 197; 1881, p. 153; 1882-83, p. 155; 1886-87, p. 431.)



- Teachers' institutes.** [By States.] NEVADA. (An. rep. 1871, p. 273; 1877, p. 158; 1878, p. 156; 1880, p. 203; 1881, p. 157; 1882-83, p. 160; 1887-88, p. 434.)
- NEW HAMPSHIRE. (An. rep. 1870, p. 215; 1871, p. 277; 1872, p. 220; 1873, p. 254; 1874, p. 269; 1877, p. 163; 1878, p. 160; 1879, p. 155; 1880, p. 208; 1881, p. 161; 1882-83, p. 164; 1883-84, p. 181; 1884-85, p. 179; 1885-86, p. 130; 1886-87, p. 431; 1887-88, p. 435.)
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- NORTH CAROLINA. (An. rep. 1872, p. 263; 1875, p. 321; 1879, p. 183; 1880, p. 240; 1881, p. 196; 1882-83, p. 195; 1884-85, p. 211; 1886-87, p. 437; 1887-88, p. 441.)
- OHIO. (An. rep. 1870, p. 253; 1871, p. 318; 1872, p. 272; 1873, p. 313; 1874, p. 334; 1875, p. 335; 1876, p. 313; 1877, p. 202; 1878, p. 195; 1879, p. 189; 1880, p. 252; 1881, p. 205; 1882-83, p. 205; 1883-84, p. 217; 1884-85, p. 218; 1885-86, p. 144.)
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- PENNSYLVANIA. (An. rep. 1870, p. 271; 1871, p. 326; 1872, p. 289; 1873, p. 340; 1874, p. 364; 1875, p. 362; 1876, p. 340; 1877, p. 217; 1878, p. 209; 1879, p. 203; 1880, p. 273; 1881, p. 220; 1882-83, p. 223; 1883-84, p. 235; 1884-85, p. 234; 1886-87, p. 441; 1887-88, p. 447.)
- RHODE ISLAND. (An. rep. 1871, p. 336; 1872, p. 305; 1873, p. 358; 1874, p. 382; 1875, p. 381; 1876, p. 228; 1878, p. 218; 1879, p. 214; 1880, p. 286; 1881, p. 232; 1882-83, p. 233; 1883-84, p. 245; 1884-85, p. 243; 1886-87, p. 443.)
- SOUTH CAROLINA. (An. rep. 1871, p. 341; 1872, p. 314; 1873, p. 363; 1874, p. 391; 1876, p. 365; 1877, p. 234; 1878, p. 224; 1879, p. 220; 1880, p. 294; 1881, p. 237; 1882-83, p. 238; 1883-84, p. 252; 1884-85, p. 250; 1885-86, p. 156; 1886-87, p. 443; 1887-88, p. 451.)
- TENNESSEE. (An. rep. 1871, p. 348; 1874, p. 400; 1877, p. 240; 1878, p. 229; 1879, p. 226; 1880, p. 303; 1881, p. 243; 1882-83, p. 243; 1883-84, p. 257; 1884-85, p. 256; 1886-87, p. 444; 1887-88, p. 452.)
- TEXAS. (An. rep. 1877, p. 246; 1878, p. 235; 1879, p. 233; 1880, p. 313; 1881, p. 248; 1882-83, p. 250; 1883-84, p. 264; 1884-85, p. 261; 1886-87, p. 445; 1887-88, p. 453.)
- UTAH TERRITORY. (An. rep. 1881, p. 302; 1883-84, p. 306; 1886-87, p. 446.)
- VERMONT. (An. rep. 1870, pp. 291, 292; 1871, p. 355; 1872, p. 335; 1873, p. 389; 1874, p. 418; 1875, p. 416; 1876, p. 395; 1877, p. 252; 1878, p. 240; 1879, p. 239; 1880, p. 320; 1881, p. 253; 1882-83, p. 255; 1883-84, p. 269; 1886-87, p. 446.)
- VIRGINIA. (An. rep. 1872, p. 341; 1874, p. 428; 1875, p. 428; 1877, p. 258; 1878, p. 247; 1879, p. 246; 1880, p. 329; 1881, p. 259; 1882-83, p. 261; 1883-84, p. 274; 1884-85, p. 272; 1886-87, p. 448; 1887-88, p. 454.)
- WASHINGTON TERRITORY. (An. rep. 1877, p. 295; 1878, p. 293; 1879, p. 288; 1880, p. 389; 1881, p. 304; 1883-84, p. 306; 1884-85, p. 314; 1885-86, p. 212.)
- WEST VIRGINIA. (An. rep. 1871, p. 364; 1875, p. 444; 1877, p. 264; 1878, p. 253; 1879, p. 252; 1880, p. 338; 1881, p. 265; 1882-83, p. 266; 1883-84, p. 279; 1884-85, p. 278; 1886-87, p. 449; 1887-88, p. 455.)
- WISCONSIN. (An. rep. 1871, p. 372; 1872, p. 357; 1873, p. 422; 1874, p. 452; 1875, p. 455; 1876, p. 424; 1877, p. 270; 1878, p. 260; 1879, p. 259; 1880, p. 346; 1881, p. 272; 1882-83, p. 273; 1883-84, p. 284; 1884-85, p. 283; 1886-87, p. 450; 1887-88, p. 456.)
- WYOMING TERRITORY. (An. rep. 1877, p. 296.)
- See also Normal and training schools.
- Teachers' salaries, Methods of computing.** (An. rep. 1880, p. xx.)
- Technical education.** APGAR, E. A. (Circ. inf. 2, 1879, p. 25.)
- HINTON, LOUIS J. Education of artisans. (An. rep. 1871, pp. 526-523.)
- Practical views on technical education. [In an. rep. 1871.] (Circ. Inf. April, 1872, pp. 105-109.)
- PHILBRICK, JOHN D. Technical education in its relations to elementary schools. (Circ. inf. 2, 1880, p. 49.)
- Technical instruction. (Spec. rep. 1869, pp. 33-784; spec. rep. 1870?)
- Note.* First edition, incomplete, printed pursuant to a call of House of Representatives, January 19, 1870. Second edition published as vol. xxi, of Barnard's Journal of Education; pp. 807.
- Technical instruction in Europe. (An. rep. 1882-83, pp. cclxviii-cclxxxvii.)
- Technical instruction in France. (Circ. inf. 6, 1882.)
- Technical instruction in Italy. (Circ. inf. Feb., 1872, pp. 55-77.)
- THOMPSON, CHARLES O. Review of the reports of the British royal commissioners on technical instruction. pp. 55. (Circ. inf. 3, 1885.)



- Technical education. WILSON, E. B. (Spec. rep. N. O. exp. 1884-85, pp. 447-459.)  
 — See also Scientific and technical education.
- Tennessee, Education in. (An. rep. 1870, pp. 286-289; 1871, pp. 347-349; 1872, pp. 318-326; 1873, pp. 368-380; 1874, pp. 396-407; 1875, pp. 394-406; 1876, pp. 369-382; 1877, pp. 237-243; 1878, pp. 226-232; 1879, pp. 223-229; 1880, pp. 298-307; 1881, pp. 240-245; 1882-83, pp. 241-247; 1883-84, pp. 255-260; 1884-85, pp. 253-258.) *For further information, see under State school systems* (by States).
- Tenth census from an educational point of view. HARRIS, WILLIAM T. (Circ. inf. 2, 1880, p. 61.)
- Texas, Education in. (An. rep. 1870, p. 290; 1871, pp. 350-352; 1872, pp. 327-334; 1873, pp. 381-387; 1874, pp. 408-414; 1875, pp. 407-413; 1876, pp. 383-389; 1877, pp. 244-248; 1878, pp. 233-237; 1879, pp. 230-235; 1880, pp. 308-315; 1881, pp. 246-250; 1882-83, pp. 248-252; 1883-84, pp. 261-265; 1884-85, pp. 259-263.) *For further information, see under State school systems* (by States).  
 — ROTE, W. C. Rise and progress of public education in Texas. (Spec. rep. N. O. exp. 1884-85, pp. 864-878.)
- Text books in public schools. Free. (An. rep. 1885-86, p. 45; 1887-88, p. 176.)  
 — Free text-books in free schools. (An. rep. 1877, p. xxxix.)  
 — In several States. (An. rep. 1886-87, pp. 98, 113, 121, 122, 126, 131, 139, 145, 151, 163, 170, 218, 219, 220, 247, 271, 272; 1887-88, pp. 11, 93-95, 98, 108, 112, 124, 129, 143, 144, 147, 148, 154, 155, 176-178, 411, 434, 1094.)  
 — State text-books. By FRED. M. CAMPBELL. (Circ. inf. 3, 1887, p. 173.)  
 — Text-books and courses of study for public-school systems. (An. rep. 1878, p. xxxvii.)
- Thayer, Jesse B. County institutes. (Circ. inf. 6, 1888, p. 44.)
- Theological libraries. See Libraries, Theological.
- Theological schools. ALABAMA. (An. rep. 1875, p. 13; 1876, p. 11; 1877, p. 8; 1878, p. 9; 1879, p. 8; 1880, p. 10; 1881, p. 7; 1882-83, p. 8; 1883-84, p. 9; 1884-85, p. 9.)  
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 — CALIFORNIA. (An. rep. 1872, p. 25; 1874, p. 31; 1875, p. 37; 1876, p. 32; 1877, p. 19; 1878, p. 20; 1879, p. 18; 1880, p. 25; 1881, p. 17; 1882-83, p. 19; 1883-84, p. 23; 1884-85, p. 23.)  
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 — CONNECTICUT. (An. rep. 1874, p. 49; 1875, p. 56; 1876, p. 51; 1877, p. 29; 1878, p. 31; 1879, p. 30; 1880, p. 43; 1881, p. 30; 1882-83, p. 33; 1883-84, p. 40; 1884-85, p. 40.)  
 — DISTRICT OF COLUMBIA. (An. rep. 1874, p. 478; 1875, p. 492; 1876, p. 443; 1877, p. 281; 1878, p. 276; 1879, p. 274; 1880, p. 365; 1881, p. 288; 1882-83, p. 290; 1883-84, p. 296; 1884-85, p. 297.)  
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 — KENTUCKY. (An. rep. 1875, p. 146; 1876, p. 140; 1877, p. 79; 1878, p. 84; 1879, p. 81; 1880, p. 113; 1881, p. 84; 1882-83, p. 87; 1883-84, p. 102; 1884-85, p. 98.)  
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- NEWMAN, ALBERT H. Theological education in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 502-519.)
- NEW YORK. (An. rep. 1874, p. 307; 1875, p. 306; 1876, p. 286; 1877, p. 182; 1878, p. 180; 1879, p. 175; 1880, p. 229; 1881, p. 184; 1882-83, p. 184; 1883-84, p. 201; 1884-85, p. 202.)
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- TENNESSEE. (An. rep. 1874, p. 404; 1875, p. 403; 1876, p. 379; 1877, p. 242; 1878, p. 230; 1879, p. 228; 1880, p. 305; 1881, p. 244; 1882-83, p. 245; 1883-84, p. 259; 1884-85, p. 257.)
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- Theory of education in the United States, Statement of, approved by many leading educators.** pp. 22. (Misc. pubs. 1874.)
- Thom, W. T.** Some reflections on race in education, with special reference to the negro problem. (Spec. rep. N. O. exp. 1884-85, pp. 775-781.)
- Thompson, Charles O.** Art-education. (An. rep. 1873, pp. 495-498.)
- Conservation of pedagogic energy. (Circ. inf. 3, 1881, p. 28.)
- Review of the reports of the British royal commissioners on technical instruction, with notes. pp. 55. (Circ. inf. 3, 1885.)
- Tilley, I. I.** County model school system of the province of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 407-411.)
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- Toner, Joseph M.** Contributions to the annals of medical progress and medical education in the United States before and during the War of Independence. pp. 118. (Spec. rep. 1874.)



- Toner, Joseph M.** Vital statistics in the United States, with tables and diagrams. (Circ. inf. March, 1872, pp. 71-93.)
- Tourgée, Eben F.** Musical education in the common schools. (An. rep. 1871, pp. 536-537.)
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- **SALVE, M. DE.** Education in Turkey. (Circ. inf. 3, 1875, p. 51.)
- Tyndall, John.** Opinions on educational matters. (An. rep. 1872, p. xlv.)
- Union college.** **HOUGH, F. B.** Historic sketch of. pp. 81. (Spec. rep. 1876.)
- United States.** History of the establishment of a permanent seat of government for. (Spec. rep. on D. C. for 1869, pp. 147-192.)
- Universities and colleges.** See Colleges and universities.
- University, defined.** (An. rep. 1880, p. cxxxv.)
- University education in England, Features of.** (Circ. inf. Jan., 1872, p. 41.)
- University education in Europe.** Chronological tables. (Circ. inf. Jan., 1872, p. 32.)
- University education in France; the French university.** (Circ. inf. Jan., 1872, p. 38.)
- University of Alabama.** (Circ. inf. 3, 1889, p. 31.)
- University of Bonn.** **DREYFUS-BRISAC, EDMOND.** pp. 67. (Circ. inf. 3, 1882.)
- University of Leipsic.** (Circ. inf. 2, 1877, pp. 73-77.)
- University of North Carolina.** (Circ. inf. 2, 1888, p. 52.)
- University of Missouri.** **READ, DANIEL.** Historical sketch of the. (In Historical sketches of the universities and colleges of the United States. Edited by F. B. **HOUGH.** pp. 17-22.) (Spec. rep. 1883.)
- University of Virginia.** **ADAMS, HERBERT B.** Bibliography of the history of the University of Virginia. (Circ. inf. 1, 1888, p. 203.)
- **Thomas Jefferson and the University of Virginia.** pp. 308. (Circ. inf. 1, 1888.)
- **GARNETT, JAMES M.** Elective system of the University of Virginia. (Circ. inf. 1, 1888, p. 189.)
- Inner workings of the University of Virginia, and the preparation necessary. (Spec. rep. N. O. exp. 1884-85, pp. 831-846.)
- University of Wisconsin.** By **WILLIAM F. ALLEN** and **DAVID E. SPENCER.** (Circ. inf. 1, 1889, p. 11.)
- University of Zurich.** Programme, 1866-67. (An. rep. 1868, pp. 366-368.)
- Uruguay, Education in.** (Circ. inf. 1, 1873, pp. 45-50.)
- Utah, Education in.** (An. rep. 1870, pp. 328-332; 1871, pp. 383-384; 1872, pp. 377-380; 1873, pp. 460-463; 1874, pp. 500-502; 1875, pp. 510-514; 1876, pp. 458-461; 1877, pp. 291-292; 1878, pp. 239-291; 1879, pp. 235-286; 1880, pp. 332-385; 1881, pp. 301-302; 1882-83, pp. 302-303; 1883-84, pp. 305-306; 1884-85, pp. 308-311.) For further information see under *State school systems* [by States].
- Vacation colonies for sickly school children.** pp. 4. (Misc. pubs. 1880.)
- Vacation schools.** (An. rep. 1877, p. cxx.)
- Van Bokkelen, L.** Compulsory education. pp. 17. (Circ. inf. Dec., 1871.)
- Variations of mental receptivity.** **CHADWICK, EDWIN.** (Spec. rep. N. O. exp. 1884-85, pp. 805-806.)
- Vasey, George.** Manual of the common native trees in the northern United States. pp. 23. (Misc. pubs. 1877.)
- Veazie, George A., jr.** Why vocal music should be required by the State as a part of public school instruction. (Circ. inf. 1, 1886, p. 26.)
- Venable, W. H.** Public libraries of Cincinnati. (Pub. libs. 1876, p. 898.)
- Venezuela, Education in.** (An. rep. 1878, p. clxxvii; 1882-83, p. cclxv.)
- Ventilation.** **BILLINGS, J. S.** Heating and ventilation of a school building. (Circ. inf. 2, 1882, p. 11.)
- of schoolhouses. (An. rep. 1873, pp. cxxv-cxxviii.)
- **PACKARD, ROBERT L.** Schoolroom air; with directions for examining it, to determine the degree of its vitiation, and the amount of ventilation required. (Spec. rep. N. O. exp. 1884-85, pp. 587-630.)
- **SMART, CHARLES.** Chemical examination of air as applied to questions of ventilation. (Circ. inf. 2, 1882, p. 19.)
- Vermont, Education in.** (An. rep. 1870, pp. 290-292; 1871, pp. 353-356; 1872, pp. 335-338; 1873, pp. 388-392; 1874, pp. 415-422; 1875, pp. 414-420; 1876, pp. 390-397; 1877, pp. 249-254; 1878, pp. 238-242; 1879, pp. 236-241; 1880, pp. 316-323; 1881, pp. 251-255; 1882-83, pp. 253-258; 1883-84, pp. 266-270; 1884-85, pp. 264-268.) For further information see under *State school systems* [by States].



- Vessiot, A.** Instruction in morals and civil government. pp. 4. (Misc. pubs. 1882.)
- Victoria, Education in.** (An. rep. 1882-83, p. cclxvii; 1884-85, p. ccex.)  
— See also *Australasia*.
- Vienna exhibition, 1873, Education at.** (An. rep. 1875, p. cliii.)
- Vienna exposition of 1873.** (An. rep. 1873, pp. cxliv-clii.)
- Vienna, Public instruction in the city of.** (Spec. rep. on D. C. for 1869, pp. 683-688.)
- Virchow, R.** Schoolroom diseases. (Circ. inf. Aug., 1870, pp. 19-29.)
- Virginia, Education in.** (An. rep. 1870, pp. 293-299; 1871, pp. 357-361; 1872, pp. 339-349; 1873, pp. 393-406; 1874, pp. 423-427; 1875, pp. 421-437; 1876, pp. 393-410; 1877, pp. 255-261; 1878, pp. 243-249; 1879, pp. 242-249; 1880, pp. 324-333; 1881, pp. 256-261; 1882-83, pp. 259-263; 1883-84, pp. 271-276; 1884-85, pp. 269-275.) *For further information see under State school systems [by States].*
- Virginia military institute.** (Circ. inf. 1, 1888, p. 287.)
- Vital statistics.** TONER, JOSEPH M. Vital statistics in the United States, with tables and diagrams, (Circ. inf. March, 1872, pp. 71-93.)
- Wake Forest college.** (Circ. inf. 2, 1888, p. 101.)
- Walker, Francis A.** Industrial education. (Spec. rep. art and industry, 1885, p. 798.)
- Warren, Charles.** Answers to inquiries about the United States bureau of education. pp. 29. (Misc. pubs. 1883.)  
— Distribution of college students in 1870-71. (Circ. inf. March, 1872, pp. 43-70.)  
— Illiteracy in the United States, 1870 and 1880. (Circ. inf. 3, 1884, p. 7.)  
— Inquiry concerning vital statistics of college graduates. (Circ. inf. March, 1872, pp. 1-40.)  
— Medical colleges and the medical profession. (An. rep. 1886-87, p. 1023.)  
— Medical education in the United States. (An. rep. 1870, pp. 384-396.)  
— Memorial of. (An. rep. 1887-88, p. 60.)  
— Place of music among the æsthetic arts defined, and its value as a part of free common school instruction considered. (Circ. inf. 1, 1886, p. 7.)  
— Synopsis of the proposed centennial history of American education, 1776-1876. (An. rep. 1875, following p. cxliv.)
- Warren, S. R. and Clark, S. N., Editors.** School and asylum libraries. (Pub. libs. 1876, pp. 38-59.)  
— Sketches of individual historical societies [by States]. (Pub. libs. 1876, pp. 332-377.)  
— United States bureau of education, special report: Public libraries in the United States of America. Part I, p. xxxv+1187, 1886.
- Washburn, Emory.** See *Framingham State normal school*.
- Washington and Lee university.** By Professors — White and H. H. Harris. (Circ. inf. 1, 1883, p. 293.)  
— Bibliography of. By Herbert B. Adams. (Circ. inf. 1, 1888, p. 301.)
- Washington Territory, Education in.** (An. rep. 1870, pp. 333-334; 1872, pp. 381-382; 1873, pp. 464-467; 1874, pp. 503-504; 1875, pp. 515-517; 1876, pp. 462-464; 1877, pp. 293-295; 1878, pp. 292-294; 1879, pp. 287-289; 1880, pp. 386-389; 1881, pp. 303-305; 1882-83, pp. 304-305; 1883-84, pp. 307-308; 1884-85, pp. 312-315.) *For further information see under State school systems [by States].*
- Wead, Charles K.** Aims and methods of the teaching of physics. pp. 158. (Circ. inf. 7, 1884.)
- Wells, J. B.** Religious and moral training in the schools of Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 377-384.)
- Western Australia, Education in.** (An. rep. 1884-85, p. ccexii.)  
— See *Australia*.
- Westfield State normal school.** Philosophy and method of teaching pursued at. By JOHN W. DICKINSON. (An. rep. 1868, p. 685.)
- West Virginia, Education in.** (An. rep. 1870, pp. 299-301; 1871, pp. 362-370; 1872, pp. 350-355; 1873, pp. 407-412; 1874, pp. 438-446; 1875, pp. 438-447; 1876, pp. 411-417; 1877, pp. 262-265; 1878, pp. 250-255; 1879, pp. 250-254; 1880, pp. 334-339; 1881, pp. 263-267; 1882-83, pp. 264-268; 1883-84, pp. 277-280; 1884-85, pp. 276-279.) *For further information see under State school systems [by States].*
- Whitaker, A. E.** Public libraries of San Francisco and of the Pacific coast. (Pub. libs. 1876, p. 991.)
- White, Andrew D.** Letter indorsing industrial education. (Spec. rep. art and industry, 1885, p. 508.)  
— Scientific and industrial education and the true policy of the National and State governments in regard to it. (Circ. inf. 1, 1874, p. 27.)
- White, Emerson E.** Professional training of teachers in Ohio. (An. rep. 1868, pp. 795-805.)  
— Relation of education to industry and technical training in American schools. pp. 22. (Circ. inf. 2, 1881.)  
— Relation of manual training to body and mind. (Circ. inf. 2, 1889, p. 108.)

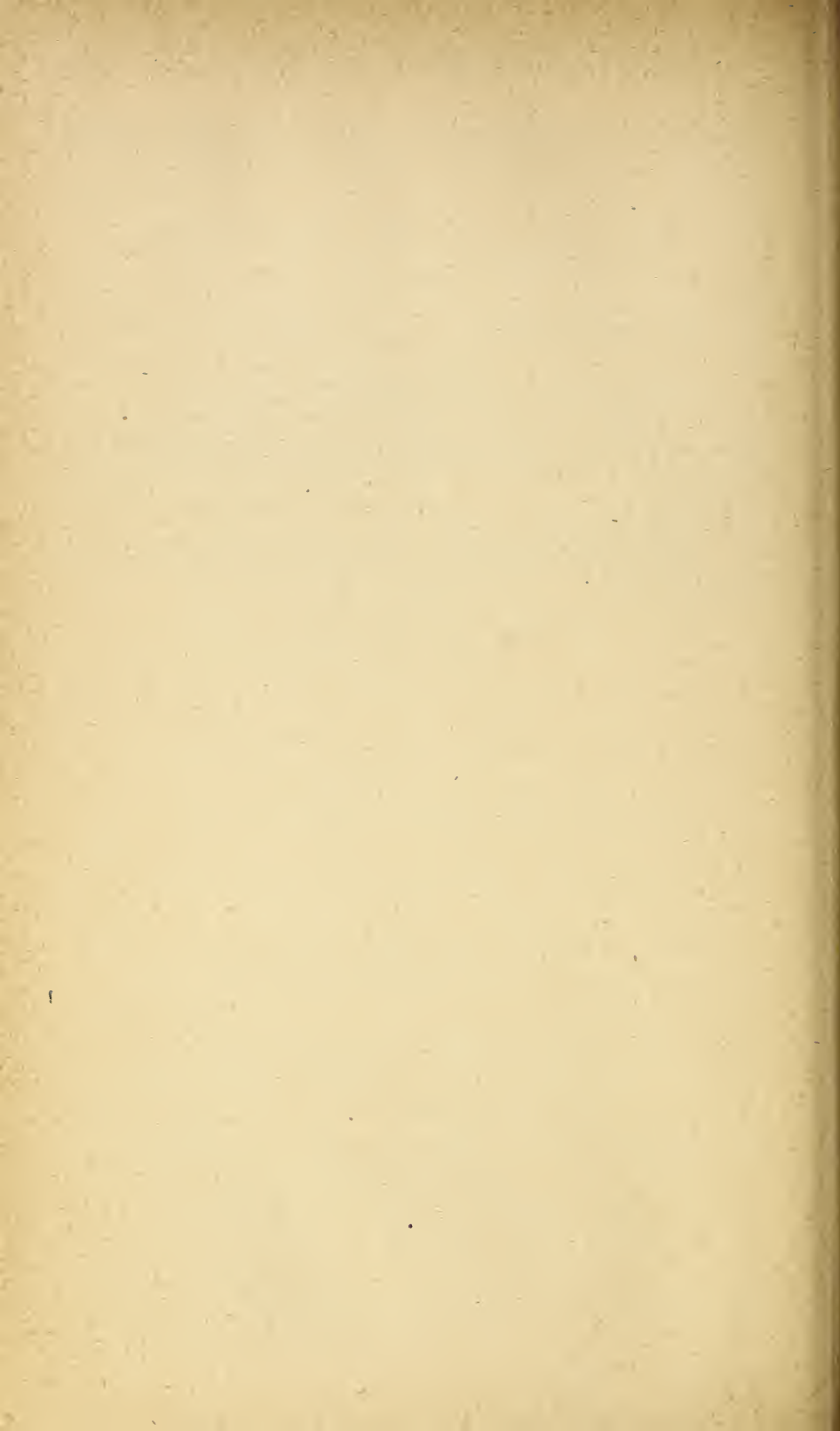
- White, Emerson E. True course of elementary instruction; its principles and methods. (Spec. rep. N. O. exp. 1884-85, pp. 847-863.)
- White, S. H. Means of providing the mass of teachers with professional instruction. (An. rep. 1870, pp. 396-399.)
- Wickersham, J. P. Education and crime. pp. 10. (Misc. pubs. 1881.)
- Weak places in our school systems. (Circ. inf. 3, 1881, p. 24.)
- Wilcox, S. M. Legal rights of children. pp. 96. (Circ. inf. 3, 1880.)
- Wilson, E. B. Technical education. (Spec. rep. N. O. exp. 1884-85, pp. 447-450.)
- Wilson, J. Ormond. Reading. (Circ. inf. 4, 1884, p. 173.)
- Wines, Enoch C. Letter on teaching trades to criminals, and the result in Moscow prison. (An. rep. 1871, p. 33.)
- Popular education in France. (Circ. inf. 2, 1879, p. 22.)
- Winship, A. E. Relation of the superintendent and teachers to the school. (Circ. inf. 6, 1888, p. 143.)
- Winsor, Justin. Library buildings. (Pub. libs. 1876, pp. 465-476.)
- Library memoranda. (Pub. libs. 1876, pp. 711-714.)
- Reading in popular libraries. (Pub. libs. 1876, pp. 431-433.)
- Winsor, Justin, and Robinson, Otis H. College libraries as aids to instruction. pp. 27. (Circ. inf. 1, 1880.)
- Wisconsin. ALLEN, WILLIAM F., and SPENCER, DAVID E. Higher education in Wisconsin. pp. 68. (Circ. inf. 1, 1889.)
- Colleges and university. University of Wisconsin, Beloit college, Lawrence university, Ripon college, Racine college, Milton college, Galesville university, Wayland university and Carroll college. (Circ. inf. 1, 1879, pp. 1-68.)
- Education in. (An. rep. 1870, pp. 301-311; 1871, pp. 371-376; 1872, pp. 356-364; 1873, pp. 413-424; 1874, pp. 447-460; 1875, pp. 448-462; 1876, pp. 418-430; 1877, pp. 266-274; 1878, pp. 256-265; 1879, pp. 255-263; 1880, pp. 340-349; 1881, pp. 268-277; 1882-83, pp. 269-277; 1883-84, pp. 281-287; 1884-85, pp. 280-285.) *For further information, see under State school systems [by States].*
- Woman's interest in education. (An. rep. 1870, p. 58.)
- Women as school officers. (An. rep. 1873, pp. cxxxiii-cxxxiv.)
- Women as voters and school officers. (An. rep. 1880, p. xxv.)
- Women, Colleges for. (*See Women, education of; see also Colleges and universities.*)
- Women, Education of. [In general.] (An. rep. 1880, p. cxvii; 1881, p. cxlvii; 1882-83, p. cxxvi; 1883-84, p. cxxxv; 1884-85, p. clxv; 1885-86, p. 440; 1886-87, p. 642; 1887-88, p. 583-603.)
- Colleges and seminaries for women. (An. rep. 1886-87, pp. 583-622.)
- Degrees conferred. (An. rep. 1886-87, pp. 642-655; 1887-88, pp. 583-621.)
- Female education in Ontario. (Spec. rep. N. O. exp. 1884-85, pp. 437-441.)
- In England, Switzerland, Württemberg. (An. rep. 1873, pp. cxxxviii-exliv.)
- SMITH, ANNIE TOLMAN. Progress of education for women. (An. rep. 1871, pp. 511-518.)
- Statistical tables. Institutions for the superior instruction of women. (An. rep. 1870, pp. 650-653; 1872, pp. 792-801; 1873, pp. 650-662; 1874, pp. 660-672; 1875, pp. 702-715; 1876, pp. 682-697; 1877, pp. 487-502; 1878, pp. 499-514; 1879, pp. 511-527; 1880, pp. 623-639; 1881, pp. 555-571; 1882-83, pp. 580-595; 1883-84, pp. 606-622; 1884-85, pp. 567-583; 1885-86, pp. 439-453; 1886-87, pp. 644-655; 1887-88, pp. 604-622.)
- Statistics. Comments. (An. rep. 1887-88, pp. 583-622.)
- Suggestions on the education of girls; extracts from various authors. [St. Jerome and others.] (An. rep. 1868, p. 371.)
- Women, Education of. [By States.] ALABAMA. (An. rep. 1873, p. 7; 1874, p. 9; 1875, p. 12; 1876, p. 10; 1878, p. 8; 1879, p. 8; 1880, p. 9; 1881, p. 7; 1882-83, p. 8; 1883-84, p. 9; 1884-85, p. 9.)
- ARKANSAS. (An. rep. 1879, p. 11; 1884-85, p. 15.)
- CALIFORNIA. (An. rep. 1876, p. 31; 1877, p. 18; 1878, p. 19; 1879, p. 18; 1880, p. 24; 1881, p. 17; 1882-83, p. 19; 1883-84, p. 23; 1884-85, p. 22.)
- COLORADO. (An. rep. 1880, p. 33; 1881, p. 23; 1882-83, p. 25; 1884-85, p. 30.)
- CONNECTICUT. (An. rep. 1873, p. 43; 1874, p. 48; 1876, p. 50; 1877, p. 29; 1880, p. 42; 1882-83, p. 33; 1883-84, p. 40; 1884-85, p. 39.)
- DELAWARE. (An. rep. 1876, p. 59; 1877, p. 34; 1878, p. 36; 1879, p. 36; 1880, p. 50; 1881, p. 36; 1882-83, p. 39; 1883-84, p. 47; 1884-85, p. 45.)
- DISTRICT OF COLUMBIA. (An. rep. 1880, p. 365; 1881, p. 287.)
- FLORIDA. (An. rep. 1883-84, p. 51; 1884-85, p. 49.)
- GEORGIA. (An. rep. 1873, p. 74; 1874, p. 75; 1875, p. 76; 1881, p. 45; 1882-83, p. 47; 1883-84, p. 57; 1884-85, p. 55.)
- ILLINOIS. (An. rep. 1873, p. 88; 1874, p. 92; 1875, p. 90; 1876, p. 87; 1877, p. 49; 1878, p. 55; 1879, p. 52; 1880, p. 74; 1881, p. 52; 1882-83, p. 56; 1883-84, p. 65; 1884-85, p. 64.)



- Women, Education of.** [By States]. INDIANA. (An. rep. 1873, p. 103; 1874, p. 106; 1875, p. 107; 1877, p. 57; 1878, p. 65; 1879, p. 60; 1880, p. 83; 1881, p. 61; 1882-83, p. 66; 1883-84, p. 78; 1884-85, p. 74.)
- IOWA. (An. rep. 1873, p. 112; 1874, p. 118; 1877, p. 67; 1879, p. 68; 1880, p. 94; 1881, p. 71; 1882-83, p. 75; 1883-84, p. 86; 1884-85, p. 83.)
- KANSAS. (An. rep. 1878, p. 79; 1879, p. 74; 1880, p. 104; 1881, p. 79; 1882-83, p. 82; 1883-84, p. 94; 1884-85, p. 91.)
- KENTUCKY. (An. rep. 1875, p. 145; 1876, p. 139; 1877, p. 78; 1878, p. 84; 1881, p. 84; 1882-83, p. 87; 1883-84, p. 101; 1884-85, p. 97.)
- LOUISIANA. (An. rep. 1874, p. 152; 1875, p. 155; 1876, p. 150; 1877, p. 85; 1878, p. 89; 1880, p. 121; 1881, p. 89; 1882-83, p. 93; 1883-84, p. 108; 1884-85, p. 105.)
- MAINE. (An. rep. 1873, p. 148; 1874, p. 164; 1875, p. 165; 1876, p. 161; 1877, p. 91; 1878, p. 94; 1882-83, p. 97; 1884-85, p. 112.)
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- MICHIGAN. (An. rep. 1873, p. 197; 1874, p. 214; 1875, p. 216; 1876, p. 206; 1877, p. 126; 1878, p. 125; 1879, p. 123; 1880, p. 165; 1881, p. 127; 1882-83, p. 129; 1883-84, p. 148; 1884-85, p. 144.)
- MINNESOTA. (An. rep. 1873, p. 197; 1874, p. 225; 1875, p. 229; 1876, p. 217; 1877, p. 135; 1878, p. 133; 1879, p. 130; 1880, p. 175; 1881, p. 135; 1882-83, p. 138; 1883-84, p. 154; 1884-85, p. 152.)
- MISSISSIPPI. (An. rep. 1873, p. 217; 1874, p. 232; 1875, p. 237; 1876, p. 225; 1877, p. 141; 1878, p. 138; 1879, p. 135; 1880, p. 182; 1881, p. 141; 1882-83, p. 143; 1883-84, p. 160; 1884-85, p. 156.)
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- NEW HAMPSHIRE. (An. rep. 1873, p. 253; 1874, p. 270; 1875, p. 272; 1876, p. 258; 1877, p. 164; 1880, p. 208; 1881, p. 162; 1882-83, p. 164; 1883-84, p. 182; 1884-85, p. 180.)
- NEW JERSEY. (An. rep. 1873, p. 266; 1874, p. 283; 1876, p. 269; 1877, p. 172; 1879, p. 163; 1880, p. 216; 1882-83, p. 172; 1883-84, p. 198; 1884-85, p. 189.)
- NEW YORK. (An. rep. 1873, p. 289; 1874, p. 305; 1876, p. 285; 1877, p. 181; 1878, p. 179; 1879, p. 174; 1880, p. 228; 1881, p. 183; 1882-83, p. 183; 1883-84, p. 200; 1884-85, p. 201.)
- NORTH CAROLINA. (An. rep. 1873, p. 304; 1875, p. 323; 1876, p. 301; 1877, p. 192; 1878, p. 188; 1880, p. 241; 1881, p. 197; 1882-83, p. 196; 1883-84, p. 209; 1884-85, p. 211.)
- OHIO. (An. rep. 1870, p. 254; 1873, pp. 325, 326; 1874, p. 340; 1875, p. 338; 1876, p. 316; 1877, p. 203; 1878, p. 196; 1879, p. 190; 1880, p. 253; 1881, p. 206; 1882-83, p. 207; 1883-84, p. 219; 1884-85, p. 219.)
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- PENNSYLVANIA. (An. rep. 1872, p. 295; 1873, p. 345; 1875, p. 364; 1876, p. 342; 1877, p. 219; 1878, p. 210; 1879, p. 205; 1880, p. 275; 1881, p. 221; 1882-83, p. 225; 1883-84, p. 237; 1884-85, p. 235.)
- SOUTH CAROLINA. (An. rep. 1874, p. 393; 1875, p. 391; 1876, p. 366; 1877, p. 235; 1878, p. 225; 1879, p. 221; 1880, p. 295; 1881, p. 238; 1882-83, p. 239; 1883-84, p. 252; 1884-85, p. 250.)
- TENNESSEE. (An. rep. 1872, p. 325; 1873, p. 376; 1874, p. 403; 1875, p. 401; 1876, p. 378; 1877, p. 241; 1878, p. 230; 1879, p. 227; 1880, p. 304; 1881, p. 243; 1882-83, p. 244; 1883-84, p. 258; 1884-85, p. 257.)
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- **WISCONSIN.** (An. rep. 1872, p. 420; 1874, p. 454; 1875, p. 458; 1876, p. 425; 1877, p. 272; 1878, p. 262; 1879, p. 260; 1880, p. 347; 1881, p. 274; 1882-83, p. 274; 1884-85, p. 285.)
- Woodruff, W. W.** Qualifications of teachers. (Circ. inf. 6, 1888, p. 68.)
- Woods, Samuel.** Education of the Indians in the Dominion of Canada. (Spec. rep. N. O. exp. 1884-85, pp. 545-561.)
- Woodward, C. M.** Relation of manual training to body and mind. (Circ. inf. 2, 1889, p. 91.)
- World's fairs.** See name of city where held; see also *International exhibitions; see also Exhibitions, Industrial.*
- Württemberg.** **CORNING, J. L.** Public schools of Württemberg. (Circ. inf. 2, 1877, pp. 47-53.)
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- Young, Charles S.** Coeducation of the races (followed by discussion). (Circ. inf. 2, 1886, pp. 96-103.)
- Public schools of the Pacific coast. (Spec. rep. N. O. exp. 1884-85, pp. 366-370.)
- Young men's christian associations in the United States, List of.** (An. rep. 1870, pp. 536-540.)
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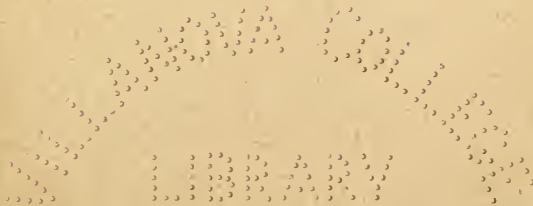
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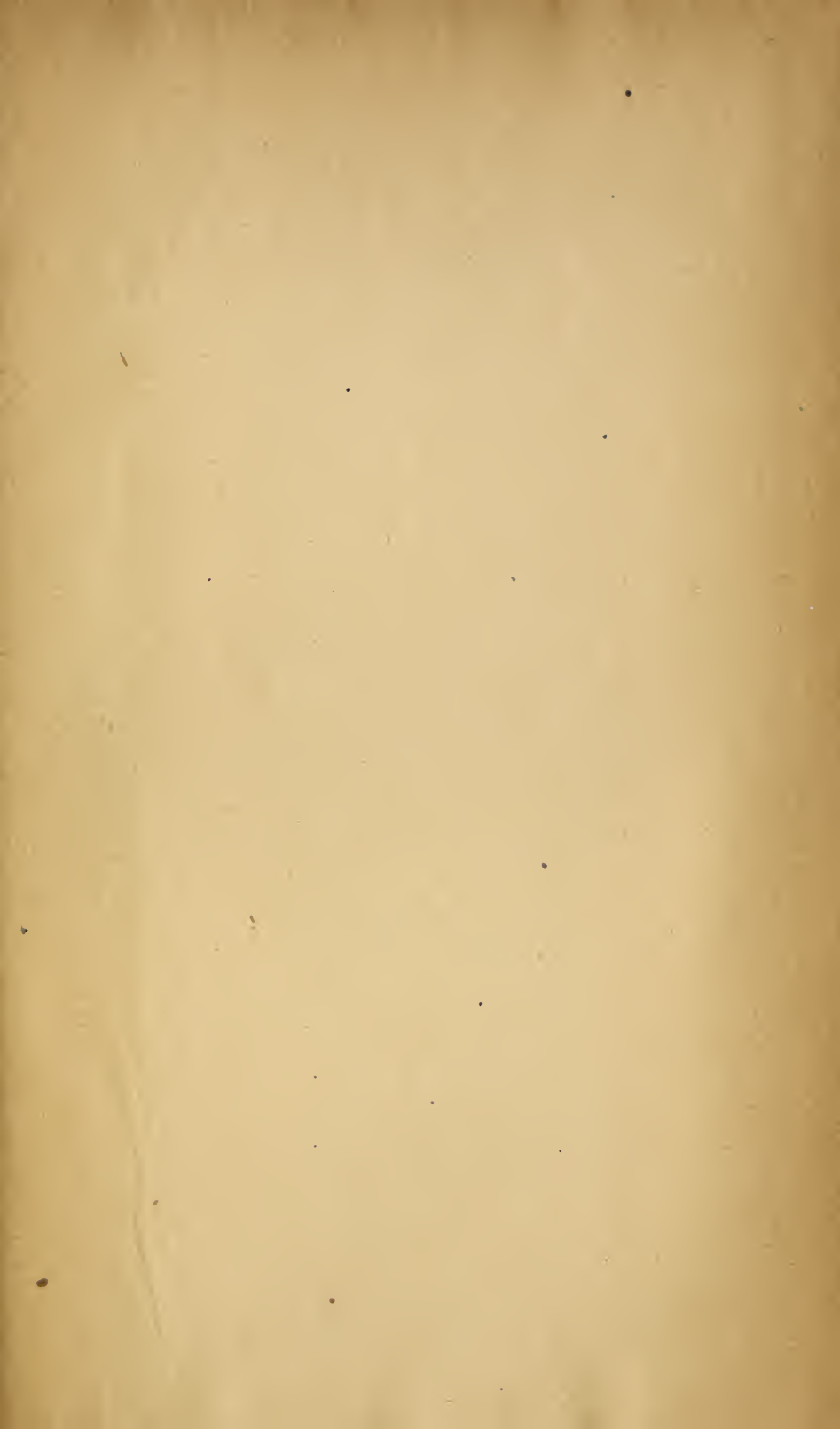






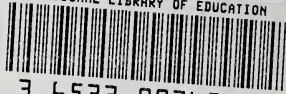








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